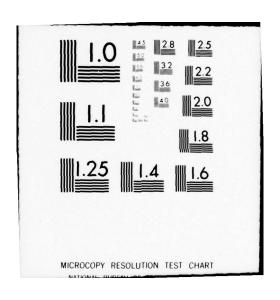
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TECHNICAL PROGRAM DOCUMENT

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RESEARCH & DEVELOPMENT APPROVED PROJECTS



JANUARY 1979

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U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

Systems Research & Development Service Washington, D.C. 20590

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TECHNICAL PROGRAM DIRECTIVE

No. $\frac{1}{2} \frac{2}{3}$

SUBJECT: FY-79 SRDS Annual Technical Program

The enclosed FY-79 SRDS Annual Technical Program Document (TDP) establishes the projects approved for implementation by the Director of SRDS. The implementation of these efforts is subject to the availability of resources.

This Annual Technical Program will be under continuing review and will be updated by means of Technical Program Directives as technical and other requirements dictate. Resumes in this Technical Program Document are structured according to the FAA Engineering and Development Programs 01 through 21.

DAVID J. SHEFTEL

Director, Systems Research and Development Service, ARD-1

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^{3/} FAA ED Programs (per FAA-ED-00-C as amended).

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FOREWORD

This FY-79 Technical Program Document (TPD) contains Research and Technology Resumes which reflect Systems Research and Development Service, Federal Aviation Administration, approved projects. These resumes highlight the requirement, technical objective, approach, milestones scheduled for accomplishment, and end-item products.

The TPD is structured according to the following 21 Engineering and Development Programs:

01	System *	11	ATC Systems Command Center
02	Radar		Automation
03	Beacon	12	Enroute Control
04	Navigation	13	Flight Service Stations
05	Airborne Separation	14	Terminal/Tower Control
	Assurance	15	Weather
06	Communications	16	Technology *
07	Approach and Landing	17	Satellites *
	Systems	18	Aircraft Safety
80	Airport/Airside	19	Aviation Medicine **
09	Airport/Landside *	20	Environment
10	Oceanic **	21	Support

The fourth Arabic number in the Current Number/Code in block 2 of the Resume identifies the responsible lead division/staff in SRDS, i.e.,

Air Traffic Control Systems Division ARD-100 1 Communications Division ARD-200 2 Navigation Division ARD-300 ARD-400 Airport Division Aircraft and Noise Abatement Division 5 ARD-500 Spectrum Analysis Staff ARD-60 Microwave Landing System Division ARD-700

Comments and recommendations concerning this TPD may be directed to the Chief, Program Management Staff, ARD-50.

- * Transferred to OSEM
- ** Not included

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IV	202-551-06	Helicopter Noise Prediction and Reduction
IV	202-552-01	Operational Noise Reduction
IV	202-553-01	Noise Evaluation and Response
21		SUPPORT
I	213-060-15	ECAC Analytical Services
ī	213-060-21	Special Propagation (WARC)
I	213-060-22	Applications Engineering
ī	213-060-24	Ground Conductivity Wave Tilt Measurements
I	213-060-26	Applications Engineering (ECAC)
I	213-060-33	Alaskan Air/Ground HF Communications Prediction
I	213-060-39	Electromagnetic Measurement Techniques for
		Spectrum Analysis/Engineering
I	213-060-49	World Radio Conference (WARC - 1979) of the
		International Telecommunications Union (ITU)
I	213-061-01	Terminal Radar Interference Threshold Criteria
I	213-061-09	ASDE EMC Studies
I	213-061-10	ATCRBS Spectrum Management Criteria
I	213-061-16	DABS Electromagnetic Compatibility
I	213-062-07	EMC Analysis BCAS
I	213-062-10	Objective Voice Grade by Time Domain Technique
I	213-062-35	Update of the Navigation Separation Handbook
I	213-062-36	VHF/UHF Air/Ground Communications Frequency Engineering Handbook 6050.4B
I	213-062-37	VHF/UHF Microwave Link Frequency Engineering
		Handbook, 6050.17A, Revision
I	213-062-39	Power Line Carrier Interference Investigation
I	216-102-02	FAA Academy Radar Training Facility
I	216-105-01	Productivity in ATC Automation
I	218-150-02	FAA/NASA VTOL Support Program
I	218-150-03	FAA/NASA Cockpit Display of Traffic Information (CDTI)
I	218-153-01	Digital Simulation Facility - Software Support
I	219-151-01	Terminal Interfaces (LLWSAS, VAS, TIPS, ASTC, RMMS)
I	219-152-01	Evaluation of Color Display

_	esearch and 1	Technology Resume	1.	DATE OF RESUME: 10/1/78
I	CURRENT NUMBER: 021-241-01	3. REVISION:	4.	START DATE: Continuing
1	TITLE OF PROJECT: Radar Sustaining En	ngineering		
	MANAGER/OFGANIZATION:		7.	REQUIREMENT:
J	Kenneth Coonley - A	RD-243		9550 AAT-100-33
	PARTICIPATING ORGANIZATE. NAFEC: ANA-120 NPD 02-1	TIONS AND AGREEMENT NUMBERS:	c. OTHER:	
~	b. TSC:			
1.	support to insure Air Route Surveill APPROACE: THIS EFFORT WILL BE ACC	an acceptable performance Lance Radar systems.	e level of Ai	de engineering and development rport Surveillance Radar and sustaining engineering tasks or support.
2.	In-service radar i	AND W	Kaqes ILL BE DKLIVERAF	are, MAXINTENDED TO SUPPORT LE TOAAF/AAT
2.	THE PRODUCT OF THIS RES	improvement AND W		, TEX INTENDED TO SUPPORT
	THE PRODUCT OF THIS REI	improvement AND W		, TEX INTENDED TO SUPPORT
	THE PRODUCT OF THIS RESIDENCE PRODUCT AS TEQUI	improvement AND W		, TEX INTENDED TO SUPPORT

14. FOOTNOTES: Milestones will vary, depending on type of engineering effort required to accomplish task.

I 021-241-01

. CURRENT NUMBER: 3. REVIS	ION: 4. START DATE:
1 022-242-01	10/1/76
TITLE OF PROJECT:	20/2/10
Hazardous Weather Detection	
MANAGER/ORGANIZATION:	7. REQUIREMENT: ADA-1, AED-1,
Kenneth Coonley - ARD-243	ARD-1/2 direction 6/25/
. FARTICIPATING ORGANIZATIONS AND AGR	c. OTHER: IAA-DOT-FA-TQ-WAI-679
ANA-120 NPD 02-106	USAF, MIT Lincoln Laboratory
b. TSC:	
CBJECTIVE(S):	
will provide for analysis, curbulence and reflectivity	THE FOLLOWING MANNER: with contractor and NAFEC support, experiment, and development of techniques to measure so the techniques investigated will include advanced Montouring of weather displays, and use of FAA and/or
PRODUCT: THE PRODUCT OF THIS RESUME, TDES hazardous weather display mo	
THE PRODUCT OF THIS RESUME, TDES	
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display me ON OR ABOUT _FY-81/82	ard/or keports , MK IMTEROED TO SUPPORT
THE PRODUCT OF THIS RESUME, TDES	ard/or keports , MK IMTEROED TO SUPPORT
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display me ON OR ABOUT _FY-81/82	ard/or keports , MK IMTEROED TO SUPPORT
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo on or about FY-81/82 MILESTONE SCHEDULE: DESCRIPTION	and/or Reports , EXIMPROED TO SUPPORT ds and will be deliverable to AAF and/or AAT DATE
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo on or about FY-81/82 MILESTONE SCHEDULE: DESCRIPTION 1. TDP issued for ASR Hazar 2. TDP issued on ARSR MTD W	dous Weather Detection system 10/81 1/81
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo on or about FY-81/82 MILESTONE SCHEDULE: DESCRIPTION 1. TDP issued for ASR Hazar 2. TDP issued on ARSR MTD was a complement of the complement of t	and/or Reports , MKINTENDED TO SUPPORT ods AND WILL BE DELIVERABLE TO AAP and/or AAT DATE dous Weather Detection system 10/81
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo on or about FY-81/82 MILESTONE SCHEDULE: DESCRIPTION 1. TDP issued for ASR Hazar 2. TDP issued on ARSR MTD was a selectivity Contouring Reflectivity Contouring	dous Weather Detection system action of EnRoute Weather DATE 1/82
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THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo ON OR ABOUT FY-81/82 MILESTONE SCHEDULE: DESCRIPTION 1. TDP issued for ASR Hazar 2. TDP issued for implement Reflectivity Contouring 4. TDP issued for implement Data on EnRoute PVD	dous Weather Detection system action of EnRoute Weather DATE 1/82
THE PRODUCT OF THIS RESUME, TDIS hazardous weather display mo ON OR ABOUT FY-81/82 MILESTONE SCHEDULE: DESCRIPTION 1. TDP issued for ASR Hazar 2. TDP issued for implement Reflectivity Contouring 4. TDP issued for implement Data on EnRoute PVD	dous Weather Detection system eather System ation of Doppler Weather DATE AAP and/or AAT AAP and/or AAT
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2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	022-243-01		FY-73
5.	TITLE OF PROJECT:		
	Moving Target Det	ector (MTD)	
6.	MANAGER/ORGANIZATION:		7. REQUIREMENT: Program Plan
	Kenneth Coonley -		FAA-ED-02-1 and AAF ltr. 7/76
9.	PARTICIPATING ORGANIZA . NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER: IAA-DOT-FA-TQ-WA1-679, USAF,
_	ANA-120	NPD 02-106	MIT/LL
	b. TSC:		
0.	OBJECTIVE(S):		
	the automated syt	d and precipitation clut em in both Terminal and	ter and improve radar tracking capability fo EnRoute.
1.	APPROACH:		
	will provide for	the development and eval dar signal processor.	NMER: SRDS, with contractor and NAFEC support uation of a Moving Target Detector, which
2.	PRODUCT:	Technical Data Pa	Ckage
2.	THE PRODUCT OF THIS RE		, IS INTENDED TO SUPPORT
2.	THE PRODUCT OF THIS RE FY-80 Procuremen	t buy AND	ckage , is invended to support WILL BE DELIVERABLE TO AAF
2.	THE PRODUCT OF THIS RE	t buy AND	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE FY-80 Procuremen	t buy AND	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE FY-80 Procuremen ON OR ABOUT4/79	t buy AND	WILL BE DELIVERABLE TOAAF
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	THE PRODUCT OF THIS RE FY-80 Procurement ON OR ABOUT 4/79 MILESTONE SCREDULE: DESCRIPTION 1. MTD-II tec da	t buy AND	DATE 10/78
	THE PRODUCT OF THIS RE FY-80 Procurement ON OR ABOUT 4/79 MILESTONE SCREDULE: DESCRIPTION 1. MTD-II tec dat 2. Terminal MTD-	t buy AND	DATE 10/78 c field unit 11/78
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	THE PRODUCT OF THIS RE FY-80 Procurement ON OR ABOUT 4/79 MILESTONE SCREDULE: DESCRIPTION 1. MTD-II tec dat 2. Terminal MTD-	t buy AND	DATE 10/78 c field unit 11/78
3.	THE PRODUCT OF THIS RE FY-80 Procurement ON OR ABOUT 4/79 MILESTONE SCREDULE: DESCRIPTION 1. MTD-II tec dat 2. Terminal MTD-	t buy AND	DATE 10/78 c field unit 11/78
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RD FORM 19-1 TEST 9/15/78

CURRENT NUMBER: 3. REVISION:	4. START DATE:
031-241-01	
TITLE OF PROJECT:	Continuing
ATCRBS Sustaining Engineering	
MANAGER/ORGANIZATION:	7. REQUIREMENT:
Martin Natchipolsky ARD-241	AAF-1 Letter dtd. 8/10/77
PARTICIPATING ORGANIZATIONS AND AGREEMENT a. NAFEC:	NUMBERS:
ANA-120 NPD #03-173	G. Olhan:
b. TSC:	
OBJECTIVE(S):	
performance and maintain cognize ground and air.	SUME IS INTENDED TO: Sustain acceptable level of ATCRES ance of the operational beacon environment, both
APPROACE:	
THIS EFFORT WILL BE ACCOMPLISHED IN THE P	OLLOWING MANNER: With support of NAFEC, Regions and
contractors, SRDS will conduct	appropriate measurement exercises and instrumentation
PRODUCT:	are
THE PRODUCT OF THIS RESUME, Tech Data	Pkgs. and/or Reports , XX INTENDED TO SUPPORT
S	Pkgs. and/or Reports , XX INTENDED TO SUPPORT
THE PRODUCT OF THIS RESUME, Tech Data	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance
THE PRODUCT OF THIS RESIME, Tech Data in-service sustaining engineering compositions as required.	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations and will be deliverable to requesting organizations
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering of the sustaining engineering of the sustaining engineering of the sustaining engineering of the sustaining engineering engineering of the sustaining engineering engineering of the sustaining engineering engine	Pkgs. and/or Reports , KK INTENDED TO SUPPORT assistance requesting organizations AND WILL BE DELIVERABLE TO PATE Tion as requesting as requesting organizations
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering engineering engineering on the service sustaining engineering engineerin	Pkgs. and/or Reports , KK INTENDED TO SUPPORT assistance requesting organizations AND WILL BE DELIVERABLE TO requesting organizations DATE ion as req. Effort as req.
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
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THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , XX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TRD*
THE PRODUCT OF THIS RESUME, Tech Data in-service sustaining engineering on the service sustaining engineering on the service sustaining engineering on the service sustaining engineering	Pkgs. and/or Reports , KX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TBD* ace Data 1978, 1979 3/80
in-service sustaining engineering CHYCHKINGH AS required MILESTONE SCHEDULE: DESCRIPTION . Field Site Problem Investigate 2. Respond to Request for R,D&E 2. Report on T&D of Transponders 3. Collect Transponder Performance	Pkgs. and/or Reports , KX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TBD* ace Data 1978, 1979 3/80
in-service sustaining engineering CHYCHKINGH AS required MILESTONE SCHEDULE: DESCRIPTION . Field Site Problem Investigate 2. Respond to Request for R,D&E 2. Report on T&D of Transponders 3. Collect Transponder Performance	Pkgs. and/or Reports , KX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TBD* ace Data 1978, 1979 3/80
in-service sustaining engineering CHYCHKINGH AS required MILESTONE SCHEDULE: DESCRIPTION . Field Site Problem Investigate 2. Respond to Request for R,D&E 2. Report on T&D of Transponders 3. Collect Transponder Performance	Pkgs. and/or Reports , KX INTENDED TO SUPPORT assistance requesting organizations DATE ion as req. Effort as req. and Digitizers TBD* ace Data 1978, 1979 3/80

RD FORM 79-1 TEST 9/15/78

THE RESERVE OF THE PROPERTY OF THE PARTY OF

2.	CURRENT NUMBER: 3. REV.	ISION:	4. ST	ART DATE:
I	032-241-01			FY-78
	TITLE OF PROJECT:			
	ATCRBS Interference Analys	is	anvirage inside	
6.	MANAGER/ORGANIZATION:			QUIREMENT:
		D-241	FAJ	A-ED-03-2 A (draft)
9.	PARTICIPATING ORGANIZATIONS AND AG a. NAFEC: ANA-120 NPD #03-173	Greenent numbers:	e. OTHER:	
	b. TSC:			
10.	OBJECTIVE(S):			
	THE LEVEL OF EFFORT IDENTIFIED IN future beacon system inter- minimize such interference:	ference, and reco		
11.	APPROACE:			
	THIS EFFORT WILL BE ACCOMPLISHED : support, SRDS will conduct such determination/recommen	necessary measur		
12.	PRODUCT:	- 23-6. Tele - 20 (2-10)		
12.		ch Data Pkg/Repor	t	, is intended to support
2.	PRODUCT: THE PRODUCT OF THIS RESUME,Temaintenance of beacon inteminimum level	ch Data Pkg/Repor rference at AND WI	t IL be deliverable	Commence of the commence of th
2.	THE PRODUCT OF THIS RESUME, Temaintenance of beacon inte	ch Data Pkg/Repor rference at AND WI	t IL BE DELIVERABLE	Commence of the commence of th
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon intemminimum level ON OR ABOUT Jan. 1981	ch Data Pkg/Repor rference at AND WI	t IL be deliverable	Commence of the commence of th
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon intemminimum level ON OR ABOUT Jan. 1981	ch Data Pkg/Repor rference at AND WI	t IL BE DELIVERABLE	Commence of the commence of th
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon intemminimum level ON OR ABOUT Jan. 1981	ch Data Pkg/Repor rference at AND WI	t IL BE DELIVERABLE	Commence of the commence of th
	THE PRODUCT OF THIS RESUME, Temaintenance of beaccn interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION	AND WI	t IL be deliverable	TO SRDS
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment me	AND WI	t IL be deliverable	DATE 9/79
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	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80
	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80
13.	THE PRODUCT OF THIS RESUME, Temaintenance of beacon interminimum level ON OR ABOUT Jan. 1981 MILESTONE SCHEDULE: DESCRIPTION 1. Complete environment made in the complete environment	easurements	IL BE DELIVERABLE	DATE 9/79 3/80

	CURRENT NUMBER: 033-241-01	3. REVISION:	4. 57	DART DATE:	7/1/73
	TITLE OF PROJECT: Antenna Performan Communication	ce & Processor Improvement	for Enhanced	Beacon Sur	
	MANAGER/ORGANIZATION: Martin Natchipols	ky, ARD-241		SCUIREMENT: F	AA-ED-03-2 A (dr
	a. NAFEC:	TIONS AND AGREEMENT NUMBERS: #03-173	c. OTHER: Lin		7 (1984) As
	b. TSC:				
	OBJECTIVE(S):				
	deployment of imp	entified in this resume is immuno roved ATCRBS antennas & pro	ocessors.	production	procurement and
	APPROACH:				
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING MARKET			
	for enhancing bear	valuate and demonstrate bea con surveillance performand fication data will be prepa	ce. Test dat	a, evaluation	
	for enhancing bear	con surveillance performance	ce. Test dat	a, evaluation	
•	for enhancing bear appropriate speci:	con surveillance performand fication data will be prepa Tech. Data Pkg./Re	ce. Test dat ared and deli	a, evaluation	on reports and
	for enhancing bear appropriate special product: THE PRODUCT OF THIS RE	con surveillance performand fication data will be prepa Tech. Data Pkg./Re	ce. Test dat ared and deli eports	a, evaluation vered.	
	for enhancing bear appropriate special product: THE PRODUCT OF THIS RESIDENCE ATCRES AND ATCRES AN	Tech. Data Pkg./Re	ce. Test dat ared and deli eports	a, evaluation vered.	on reports and
	for enhancing bear appropriate speci: PRODUCT: THE PRODUCT OF THIS RE improved ATCRBS as rec	Tech. Data Pkg./Retennas & processors AND With	ce. Test dat ared and deli eports	a, evaluation vered.	on reports and
	FRODUCT: THE PRODUCT OF THIS REIMBOROVED ATCRBS AND AS THE CONTROL OF THE PRODUCT	Tech. Data Pkg./Retennas & processors AND With	ce. Test dat ared and deli eports	a, evaluation vered. , IS DATE B TOAAF	on reports and
	for enhancing bear appropriate special product: THE PRODUCT: THE PRODUCT OF THIS RESIDENCE ATCRES AS THE ON OR ABOUT AS THE ON OR ABOUT AS THE OBSCRIPTION 1. Reflector Separation	Tech. Data Pkg./Resternas & processors AND Windired	ce. Test dat ared and deli eports	a, evaluation vered. , IS INT	ON reports and
	FRODUCT: THE PRODUCT OF THIS RE improved ATCRBS as on OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Reflector Separation of the product of	Tech. Data Pkg./Rentennas & processors AND Winguired	ce. Test datared and deli eports LL BE DELIVERABLE	a, evaluation vered. , IS INT TOAAF	DATE.
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	FRODUCT: THE PRODUCT OF THIS RE improved ATCRBS as on OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Reflector Separation of the product of	Tech. Data Pkg./Resteen & processors AND Windiguised	ce. Test datared and deli eports LL BE DELIVERABLE	a, evaluation vered. , IS INT TOAAF	DATE.

RD FORM 79-1 TEST 9/15/78

	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	034-241-01			1/72	
•	TITLE OF PROJECT:				
		Beacon System (DABS)			
	MANAGER/ORGANIZATION:			7. REQUIREMENT:	
	P. D. Hodgkins, AR			FAA EDPP-03-1	(6/27/78)
	a. NAFEC: ANA-120 NPD # 03	TIONS AND AGREEMENT NUMBER 3-108 NPD #03-197	c. OTH	R: USAF (Lincoln Labo I 76WA-3772 MITRE 78	
	b. TSC:				
	OBJECTIVE(S):				
				stablish surveillance a national standard.	
	APPROACH:				
				h contractor support, t for both single and	
	PRODUCT:	National Standa		are, TR INTENDE	d to support
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DRequirements of ATOM ON OR ABOUT 4/80 and	SUME, <u>Technical Data</u> Data Link Communicati DARS and UG3RD	Packages	, EX INTENDE	d to support
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DRequirements of ATON OR ABOUT 4/80 and	SUME, <u>Technical Data</u> Data Link Communicati DARS and UG3RD	Packages	, EX INTENDE	D TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DRequirements of ATOM ON OR ABOUT 4/80 and	SUME, <u>Technical Data</u> Data Link Communicati DARS and UG3RD	Packages	, EX INTENDE	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DREQUITEMENTS OF ATOM ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION	SME, Technical Data Data Link Communicati CARS and UG3RD	Packages	, EX INTENDE	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DREQUIREMENTS OF ATOM ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National	SME, Technical Data Data Link Communicati CARS and UG3RD	Packages	, EX INTENDE LIVERABLE TO AAF DATE 4/80	
2.	PRODUCT: THE PRODUCT OF THIS RES	SUME, Technical Data	Packages	, EX INTENDE	D Tros
F	PRODUCT: THE PRODUCT OF THIS RESULT VIOLENCE AND DESCRIPTION OF ABOUT 4/80 and MILESTONE SCHEDULE:	SUME, <u>Technical Data</u> Data Link Communicati DARS and UG3RD	Packages	, EX INTENDE	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DREQUIREMENTS OF ATOM ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National	SME, Technical Data Data Link Communicati CARS and UG3RD	Packages	, EX INTENDE LIVERABLE TO AAF DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and DREQUIREMENTS OF ATOM ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	, EX INTENDE LIVERABLE TO AAF DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
	PRODUCT: THE PRODUCT OF THIS RESULT VEILLANCE and D REQUIREMENTS OF AT ON OR ABOUT 4/80 and MILESTONE SCHEDULE: DESCRIPTION 1. Final National 2. TDP for single	SIME, Technical Data Data Link Communicati CARS and UG3RD 1 4/82 . Standard e-site DABS	Packages	DATE 4/80	
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RD FORM 79-1 TEST 9/15/78

2.	CURRENT NUMBER:	3. REVISION:	4.	START DATE:
I	034-242-01			1/1/72
	TITLE OF PROJECT:			2/2/12
	Automatic Traffic	Advisory and Resolution	Service (ATA	ARS)
	MANAGER/ORGANIZATION:	The state of the s		REQUIREMENT:
	John A. Scardina,	ARD-200		Ft _{FAA-ED-03-3} (3/79)
	PARTICIPATING ORGANIZA	TIONS AND AGREEMENT NUMBERS:		188 BD 03-3
	a. NAFEC: ANA-120			Lincoln Lab #2WA1-261
_	ANA-220	NPD #05-298	MITRE #	FA78WA-4075
	b. TSC:			
	OBJECTIVE(S):			
•				op new safety assurance service
	ground-based traf APPROACE:	fic advisory service and	resolution s	service for all aircraft.
	Will procure DARS	COMPLISHED IN THE FOLLOWING MANN	MER: SRDS WI	th NAFEC and contractor suppor software to reflect improvemen
	Engineering tests	and field trials will be	conducted	software to reflect improvement
		and ricid criars will be	conducted.	
		una ricia ciraro will be	conducted.	
		and riora criars will be	conducted.	
		una 1101a 011u10 w111 20	conducted.	
	PRODUCT:	and riora criars will be	conducted.	are
	FRODUCT: THE PRODUCT OF THIS RE	Manhairel Data Data		
·.	THE PRODUCT OF THIS RE	SSUME,Technical Data Pac	kages	, XX INTENDED TO SUPPORT
2.	THE PRODUCT OF THIS RE	ESIME, Technical Data Pac n Assurance Recmts. AND	kages	, XX INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE UG3RD Separation ON OR ABOUT 4/80 as	ESIME, Technical Data Pac n Assurance Recmts. AND	kages	, XX INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE	ESIME, Technical Data Pac n Assurance Recmts. AND	kages	, XX INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE UG3RD Separation ON OR ABOUT 4/80 as	ESIME, Technical Data Pac n Assurance Recmts. AND	kages	, XX INTENDED TO SUPPORT
	THE PRODUCT OF THIS RE UG3RD Separation ON OR ABOUT 4/80 as MILESTONE SCHEDULE: DESCRIPTION	Technical Data Pac n Assurance Reconts. AND w	kages WILL BE DELIVER	AAF DATE
	THE PRODUCT OF THIS RE UG3RD Separation ON OR ABOUT 4/80 at MILESTONE SCREDULE: DESCRIPTION 1. Begin evaluat:	Technical Data Pace AND was a 4/82	kages WILL BE DELIVER	DATE 1/79
	THE PRODUCT OF THIS RE UG3RD Separation ON OR ABOUT 4/80 at MILESTONE SCHEDULE: DESCRIPTION 1. Begin evaluat: 2. Handoff of TDI	Technical Data Pace AND was a surance Records. AND was a surance and 4/82.	kages WILL BE DELIVER	DATE 1/79 4/80
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A Committee of the Comm

04 NAVIGATION

2.	CURRENT NUBER:	3. REVISION:		4. START DAT	Æ:	
_	1 041-305-04	1			1/78	
•	Wilcox 585B VO	R Systems Parameters				
	MANAGER/ORGANIZATION: F. Bassett, ARD-			7. REQUIREM	THT: #AAF-410-78-0	3
	PARTICIPATING ORGANIZ a. NAFEC: ANA-330 NPD #0	ATTONS AND AGREEMENT NUMBERS	e. OTHE	R:		
	b. TSC:	4-309				
).	OBJECTIVE(S):					
		DENTIFIED IN THIS RESUME IS S conent due to slot ante em.				
	APPROACH:					
	THIS EFFORT WILL BE A	CCOMPLISHED IN THE FOLLOWING	MARKER: NAF	EC will inst	all and test	a Wilcox
	VOR.					
	PRODUCT: THE PRODUCT OF THIS R	RSUME, Letter Report			, is invended to s	SUPPORT
	PRODUCT:	RSUME,	AND WILL BE DE	IVERABLE TO	, is intended to s AAF-410	SUPPORT
	PRODUCT: THE PRODUCT OF THIS R	RSUPE,	AND WILL BE DEI	IVERABLE TO	-	SUPPORT
	PRODUCT: THE PRODUCT OF THIS R Field Problems	RSUPE,	AND WILL BE DEL	IVERABLE TO	-	SUPPORT
	PRODUCT: THE PRODUCT OF THIS R Field Problems ON OR ABOUT8/79	RSUPE,	AND WILL BE DEL	IVERABLE TO	-	SUPPORT
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	PRODUCT: THE PRODUCT OF THIS R Field Problems ON OR ABOUT 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Comple)	AND WILL BE DEI	IVERABLE TO	DATE	SUPPORT
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	PRODUCT: THE PRODUCT OF THIS R Field Problems ON OR ABOUT 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Comple 2. Comple	ete installation	AND WILL BE DE	IVERABLE TO	DATE. 12/78 3/79	SUPPORT

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CURRENT NU		3. REVISION:		4. START DATE	
TITLE OF P					8/73
		hase Standard			
. MANAGER/OR		221		7. REQUIREMENT	T: AFS-700-74-1
	ING ORGANIZATI	ONS AND AGREEMENT NUMBERS	S:	9550 #	AFS-700-74-1
ANA-330	and an excellent		c. OTHE	NBS FA76	WAI-640
b. TSC:					
. OBJECTIVE(s):				1101200
. APPROACE:					1200
		phase standard with			of Standards was
		MR, VOR Zero Phase			
VOR Syst	em Accurac		Standard AND WILL BE DEL		IS INTENDED TO SUPPORT AFS
VOR Syst	em Accurac				
VOR Syst	em Accurac 6/81 SCHEDULE:				
VOR Syst	em Accurac 6/81 SCHEDULE:				AFS
VOR Syst ON OR ABOU MILESTONE DESCRIPTION	6/81 SCHEDULE: Complete	·			DATE
VOR Syst ON OR ABOU MILESTONE DESCRIPTION	6/81 SCHEDULE: Complete Handoff	Audio portion			DATE 4/81
VOR Syst ON OR ABOU MILESTONE DESCRIPTION 1.	6/81 Complete Handoff Complete	Audio portion			DATE 4/81 6/81
VOR Syst ON OR ABOU MILESTONE DESCRIPTION 1.	6/81 Complete Handoff Complete	Audio portion Audio Standard RF portion			AFS DATE 4/81 6/81 8/82
VOR Syst ON OR ABOU MILESTONE DESCRIPTION 1.	6/81 Complete Handoff Complete	Audio portion Audio Standard RF portion			AFS DATE 4/81 6/81 8/82
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CURRENT NUMBER:	3. REVISION:	4. START DATE:
1 041-305-06		6/73
TITLE OF PROJECT:		
Propogation Mod		
MANAGER/CRGANIZATION		7. REQUIREMENT:
Frank Bassett,	ZATIONS AND AGREEMENT NUMBERS:	ED Program Plan ED-04-01 A(dr.
a. NAFEC:	ZATIONS AND ADRESSENT NORBERS:	c. OTHER: Syracuse University
ANA-330 NPD #	04-309	FA 73 WA-3272
b. TSC:		
OBJECTIVE(S):		
access specific	effects of various types	of reflectors around a VOR or Dopplar VOR.
APPROACE:		
		MER: Under contract, computer program will
	NAFEC will verify the comp	
o ucrosopou.		activities.
		acer predictions.
PRODUCT:		
PRODUCT: THE PRODUCT OF THIS	RESIME,Computer Program	, is intended to support
PRODUCT: THE PRODUCT OF THIS	RESUME, <u>Computer Program</u> lems in the field AND	, is intended to support
PRODUCT: THE PRODUCT OF THIS	lems in the field AND	, is intended to support
PRODUCT: THE PRODUCT OF THIS power line prob ON OR ABOUT3/80	lems in the field AND	, is intended to support
PRODUCT: THE PRODUCT OF THIS power line prob ON OR ABOUT3/80	lems in the field AND	, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAAF
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PRODUCT: THE PRODUCT OF THIS power line prob ON OR ABOUT3/80 MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC 2. Final	Testing Report	, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO AAF DATE 11/79 1/80
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PRODUCT: THE PRODUCT OF THIS power line prob ON OR ABOUT3/80 MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC 2. Final	Testing Report	, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO AAF DATE 11/79 1/80

2	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	I 041-305-09	J. ALVIDION.	
	TITLE OF PROJECT:		6/76
•	VOR Siting Crit	aria Undata	
_	MANAGER/ORGANIZATION		7. REQUIREMENT:
•	Frank Bassett,		ED Program Plan ED-04-01 A(dra
9.	PARTICIPATING ORGANIA a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
	b. TSC:		
· ·	OBJECTIVE(S):		
		and Doppler VOR, stacked arr	no: incorporate new developments such cays, and propagation modelling into the
1.	APPROACH:		
	THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING MANNES	R: SRDS personnel will perform this task
	utilizing outpu	ts from other projects.	
2.	PRODUCT:		
2.		DEGREE Updated Siting Crit	eria TS THERMET TO STEEDING
2.	THE PRODUCT OF THIS I	RESUME, Updated Siting Crit	
2.	THE PRODUCT OF THIS I	implementation AND WI	
2.	THE PRODUCT OF THIS I	implementation AND WI	
	2nd generation ON OR ABOUT10/6	implementation AND WI	
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	2nd generation ON OR ABOUT 10/0 MILESTONE SCHEDULE: DESCRIPTION	implementation AND WI	LL BE DELIVERABLE TO AAF
	2nd generation ON OR ABOUT 10/6 MILESTONE SCHEDULE: DESCRIPTION Propage	ation Modelling input	DATE 1/80
2.	2nd generation ON OR ABOUT 10/6 MILESTONE SCHEDULE: DESCRIPTION Propage	implementation AND WIT	LL BE DELIVERABLE TO AAF DATE
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	2nd generation ON OR ABOUT 10/6 MILESTONE SCHEDULE: DESCRIPTION Propage	ation Modelling input	DATE 1/80

CURRENT NUMBER:	3. REVISION:	4. START DATE:
TITLE OF PROJECT:	<u> </u>	
	ntenance Monitor System f	or Salmon, Idaho
MANAGER/ORGANIZATION:	- CONTRACTOR 1	7. REQUIREMENT:
A. Simolunus, ARD-	330	AAF-1 letter, May 26, 1977
PARTICIPATING ORGANIZATI	IONS AND AGREEMENT NUMBERS:	c. OTHER:
ANA-300		C. Olima,
b. TSC:		
OBJECTIVE(S):		
monitor system for	THE THIS RESUME IS INTENDED the mountain top VORTAC lata to the FSS at Idaho F	no no: develop a remote maintenance site at Salmon, Idaho for shipment alls.
APPROACE:		
		development of software required to y and the shipment of information from
the Salmon site to	essor and the moniter and	This will be accomplished through the 8-pt. ground check unit developed by
the Salmon site to use of a microproc	essor and the moniter and	This will be accomplished through the
the Salmon site to use of a microproce Edo-Aire Corp. und	essor and the moniter and er FAA contract.	This will be accomplished through the
the Salmon site to use of a microproce Edo-Aire Corp. und PRODUCT:	essor and the moniter and ler FAA contract. Remote Maintenance M	This will be accomplished through the 8-pt. ground check unit developed by onitor System , IS INTENDED TO SUPPORT
the Salmon site to use of a microproce Edo-Aire Corp. und PRODUCT: THE PRODUCT OF THIS RESE	essor and the moniter and er FAA contract.	This will be accomplished through the 8-pt. ground check unit developed by onitor System , IS INTENDED TO SUPPORT
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the Salmon site to use of a microproce Edo-Aire Corp. und PRODUCT: THE PRODUCT OF THIS RESE	essor and the moniter and ler FAA contract. Remote Maintenance M	This will be accomplished through the 8-pt. ground check unit developed by onitor System , IS INTENDED TO SUPPORT
the Salmon site to use of a microproce Edo-Aire Corp. und PRODUCT: THE PRODUCT OF THIS RESE Project at Salmon. ON OR ABOUT 10/78	essor and the moniter and ler FAA contract. Remote Maintenance M	This will be accomplished through the 8-pt. ground check unit developed by onitor System , IS INTENDED TO SUPPORT
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	CURRENT NUMBER:	3. REVISION:	. START DATE:
	041-307-04		2/74
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-	MANAGER/ORGANIZATION:		. REQUIREMENT:
	Frank Bassett, ARI	0-310	ED-04-01AED Program Plan (dra
	PARTICIPATING ORGANIZA a. NAFEC: ANA-330 NPD 04-3	TIONS AND AGREEMENT NUMBERS:	EDO-AIRE FA74 WA-3617
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	OBJECTIVE(S):		
		e Monitor System (RMMS).	
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042-306-01			8/77
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Frank Bassett, AF			9550 #AAF-410-77-08
a. NAFEC:	ZATIONS AND AGREEMENT NUMBE	RS:	ER:
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RD FORM 79-1 TEST 9/15/78

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	MANAGER/ORGANIZATION:		7. REQUIREMENT:
_	George Quinn, AR	ATIONS AND AGREEMENT NUMBERS:	FAA-ED-04-01 A (draft)
	a. NAFEC:		OTHER: Systems Control Inc. FA75 WA-
	b. TSC:		
	OBJECTIVE(S):		
	APPROACE:		Under Contract, tests will be made on
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RD FORM 79-1 TEST 9/15/78

Products of effort will permit SRDS to initiate required corrective actions through modifications and improvements to the beacon systems. I 032-241-01 RD FORM 79-1 TEST 9/15/78 Research and Technology Resume 10/1/78 1. DATE OF RESUME: 3. REVISION: 4. START DATE: 2. CURRENT NUMBER: II 043-304-03 6/72 5. TITLE OF PROJECT: Differential Omega Concept Evaluation 6. MANAGER/ORGANIZATION: 7. REQUIREMENT: George Quinn, ARD-732 FAA-ED-04-01 A (Draft) 9. PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: FA 75 WA-3662 c. OTHER: a. NAFEC: Systems Control, Inc. ANA-330 NPD #04-302 b. TSC: 10. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: determine the operational utility of differential Omega for Alaska. 11. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: Under contract and in cooperation with Transport Canada, SRDS will install and evaluate an operational type system in the Alaska/Yukon area. 12. PRODUCT: THE PRODUCT OF THIS RESUME, Implementation Plan , IS INTENDED TO SUPPORT FAA Management decisions in applica- AND WILL BE DELIVERABLE TO SRDS tions of differential Omega ON OR ABOUT _ 4/80 13. MILESTONE SCHEDULE: DESCRIPTION DATE 1. Feasibility evaluation report (NAFEC 11/78 2. Evaluation report, Alaska/Yukon system 12/79 3. Complete implementation plan (SRDS) 4/80

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RD FORM 79-1 TEST 9/15/78

I 11/76 TITLE OF PROJECT: Low Cost VLF/Omega Airborne Systems Evaluations MANAGENORALIZATION: George Quinn, ARD-732 FARTICIPATING ORGANIZATIONS AND AGREDMENT NUMBERS: a. NAFEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TSC: CRIECTIVE(S): THE LEVEL OF ENFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: evaluate available, low cost airborne VLF/Omega navigation systems to determine suitability for use by general avaitation. Results will serve as guidance to FAA in approving/disapproving use of systems in ATC system as supplement to the VOR/DME system. APPROACH: THIS ENFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: Three Low Cost (less than \$10k) airbo Omega or VLF receivers will be procured for flight evaluation by contractor. FROUNCT: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO SUPPORT FAA decisions on suitability of Low AND WILL BE DELIVERABLE TO SRDS COST VLF/Omega units in the NAS ON OR RANDOT 10/79 MILESTORE SCHEULE: DESCRIPTION DATE 1. Contractor work funded 10/78 2. Final report - contractor evaluation 10/79	CURRE	NT NUMBER	1:	3. REVISIO	ON:		4. START	DATE:		nest esta-
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	CURRENT NUMBER: 3.	REVISION:		4. START DATE:	
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_	Omega/VLF Signal Monit	or System		Chest Strains	
	MANAGER/CRGANIZATION: George Quinn, ARD-732			7. REQUIREMENT: FAA-ED-04-0	AFS Letter 10/23, lAProgram Plan (dra
	PARTICIPATING ORGANIZATIONS A a. NAFEC: ANA-330 NPD 04-362	AND AGREEMENT NUMBERS:	e. OTHE	R: Naval Ocean FA77 WAI-73	Systems Center
1	b. TSC:				
-	OBJECTIVE(S):				
				os, under an In	ter-Agency agreement
	THIS EFFORT WILL BE ACCOMPLE will assemble off-the- monitor system. It wi	-shelf components w	with appropria		
1	will assemble off-the- monitor system. It wi PRODUCT: THE PRODUCT OF THIS RESUME, OMEGA/VLF signal monit in support of oceanic	shelf components will be evaluated at Specification to requirements and offshore navig	vith appro	priate software	into a prototype INTENDED TO SUPPORT
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1	will assemble off-the- monitor system. It wi PRODUCT: THE PRODUCT OF THIS RESUME, OMEGA/VLF signal monit in support of oceanic ON OR ABOUT1/80 MILESTONE SCHEDULE:	shelf components will be evaluated at Specification to requirements and offshore navig	vith appro	priate software	into a prototype INTENDED TO SUPPORT AAF
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RD FORM 79-1 TEST 9/15/78

2.	CURRENT NUMBER:	3. REVISION:	4. START I	ATE:
-	043-304-07			11/75
	TITLE OF PROJECT:			
_	Evaluate Omega a	s a VOR/DME Supplement		
•			7. REQUIRE	
9.	George Quinn, AF	ATIONS AND AGREEMENT NUMBERS	FAA-ED	-04-01Aprogram Plan (draft
	ANA-330 NPD #	104_362	c. OTHER:	
-	b. TSC:	104-362		
	V. 150.			
٥.	OBJECTIVE(S):			
	THE LEVEL OF EFFORT I	DENTIFIED IN THIS RESUME IS ful supplement for VOR	INTERDED TO: determine wild /DME in areas not serve	nether OMEGA navigation ed by that system.
	APPROACH:			
	THIS EFFORT WILL BE A	COMPLISHED IN THE FOLLOWING	MANUER: SRDS with N	AFEC support, will conduc
	flight tests wit	in Omega equipment in c	offehore and mountainou	us areas, and in Alaska.
	PRODUCT:	ESME,Evaluation F		_, IS INTENDED TO SUPPORT
).	PRODUCT: THE PRODUCT OF THIS R FAA decisions or	ESIME, Evaluation F	Reports	
2.	PRODUCT: THE PRODUCT OF THIS R FAA decisions or VOR/DME suppleme ON OR ABOUT	ESIME, Evaluation F	Reports	
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II 043-304-09			9/78	
TITLE OF PROJECT:				
	n OMEGA Receiver Develo	pment	A STATE OF THE PARTY OF THE PAR	
 MANAGER/ORGANIZATION George Quinn, A 	1: .RD-732	1	FAA-ED-04-01 AD rogram Pla	n (1
	ZATIONS AND AGREEMENT NUMBERS		FAA-ED-04-01A-10G1am F16	an (drai
a. NAFEC:	CATTOR ALL MINESCALE HOUSE	c. OTHER:		
b. TSC:				117
OBJECTIVE(S):				
	eral aviation in terms o	f performance,	cost and ease of operat	ion.
APPROACH:				
			vill develop a low cost re	
		ore and remote	areas of the U.S., Alash	
	es Performance will h	e required tha	t might lead to approval	for use
on oceanic rout	es. Performance will bons. Evaluation will be	The state of the s	at might lead to approval a and flight tests.	for use
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Civil OMEGA/VLF Airborne System MANAGER/ORGANIZATION: George Quinn, ARD-732 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: MAJEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 D. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 D. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 D. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 D. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 D. TEC: THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: determine feasibility of airborne navigation system serving all phases of domestic and oceanic enro flight, and domestic terminal area flight. L. AFFROACE: THIS EFFORT WILL BE ACCOMPLISED IN THE FOLLOWING WARRER: Under contract, a unit with VLF and Omega techniques, validated by preceeding evaluations, will be ass Appropriate lab and flight tests will be conducted and results evaluated. PRODUCT: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME , Evaluation Report , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUCT OF THIS RESUME , IS INTENDED TO: THE PRODUC	II 043-311-02 5. TITLE OF PROJECT: Civil OMEGA/VLF Airborne System 5. MANAGER/ORGANIZATIONE AND AGRESMENT BURGERS: George Quinn, ARD-732 7. REQUIREMENT: Program Plan FAA-ED-04-01A (draft) 9. PARTICIPATING ORGANIZATIONE AND AGRESMENT BURGERS: e. BAFEC: 10. CENECTIVE(S): THE LEWEL OF EFFORT IDENTIFIED IN THIS RESIME IS INVENDED TO: determine feasibility of one airborne navigation system serving all phases of domestic and oceanic enroute flight, and domestic terminal area flight. 11. AFFROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING NAMEER: Under contract, a unit with best VLF and Omega techniques, validated by preceeding evaluations, will be assembled. Appropriate lab and flight tests will be conducted and results evaluated. 12. PRODUCT: THE PRODUCT OF THIS RESIME, Evaluation Report , IS INTENDED TO SUPPORT FAA decisions on systems using combin-AND WILL BE DELIVERABLE TO SRDS ations of VLF and OMEGA techniques ON OR ASOUT 18/79 13. MILESTORE SCHEDULE: DESCRIPTION	THE APP	A3-311-02 FLE OF PROJECT: VII OMEGA/VI MAGER/ORGANIZATI BOTTO OUINI MATEC: TECTIVE(S): ELEVEL OF ETFOR ITCHATTING ORGANIZATI TECTIVE(S): ELEVEL OF ETFOR TROACE: ES ETFORT WILL E LF and Omega	LF Airborne System CON: ARD-732 INIZATIONS AND AGREEMENT NUMBERS: C. C. C. C. C. C. C. C. C. C	7. REQUIREMENT: Program Plan FAA-ED-04-01 A (draft) OTHER: Systems Control, Inc. FA75 WA-3662 To: determine feasibility of one s of domestic and oceanic enroute Under contract, a unit with best eding evaluations, will be assembled.
George Quinn, ARD-732 PRANTICIPATING ORGANIZATIONS AND AGREEMENT RUMBERS: a. MAPEC: c. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 c. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 C. OTHER:	Civil OMEGA/VLF Airborne System 5. MARMGER/ORGANIZATION: George Quinn, ARD-732 7. REQUIREMENT: program Plan FAA-ED-04-01A (draft) PANTICIPATING ORGANIZATIONS AND AGRESMENT RESERVE: 8. MAPE: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 b. TEC: C. OTHER: Systems Control, Inc. FA75 WA-3662 TO THE EMPLOY SYSTEMS CONTROL OF THE	Ci 6. MAN Ge 9. PAR 6. 0. CBJ THE ai fl	TSC: TECTIVE(S): LEVEL OF EFFORITHMENT AND ADDRESS A	ARD-732 INIZATIONS AND AGREDATH NUMBERS: OF IDENTIFIED IN THIS RESUME IS INTENDED gation system serving all phases omestic terminal area flight. DE ACCOMPLISHED IN THE FOLLOWING MARKER: techniques, validated by precess	FAA-ED-04-01 A (draft) OTHER: Systems Control, Inc. FA75 WA-3662 To: determine feasibility of one s of domestic and oceanic enroute Under contract, a unit with best eding evaluations, will be assembled.
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9. PARTICIPATINE ORGANIZATIONS AND AGREDMENT NUMBERS: e. NATE: c. OTHER: Systems Control, Inc. FA75 WA-3662 b. TSC: 10. CENECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTRODED TO: determine feasibility of airborne navigation system serving all phases of domestic and oceanic enro flight, and domestic terminal area flight. 11. AFTROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: Under contract, a unit wit VLF and Omega techniques, validated by preceeding evaluations, will be ass. Appropriate lab and flight tests will be conducted and results evaluated. 2. PRODUCT: THE PRODUCT OF THIS RESUME, Evaluation Report , IS INTENDED TO: FAA decisions on systems using combin-AND WILL BE DELIVERABLE TO SRDS ations of VLF and OMEGA techniques ON OR ABOUT 10/79 13. MILESTONE SCHEDULE: DESCRIPTION DATE	D. PAPTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: c. OTHER: Systems Control, Inc. FA75 WA-3662 b. TBC: C. OTHER: Systems Control, Inc. FA75 WA-3662 determine feasibility of one airborne for the passion of Control of The passion of Con	9. PAR b. C. CBJ THE ai fl	TECTIVE(S): ELEVEL OF EFFORITHMENT AND DESCRIPTION OF EFFORE WILL ENGAGE: ES EFFORT WILL ENGAGE: EFFORT WILL ENGAGE:	TIDENTIFIED IN THIS RESIDE IS INTENDED gation system serving all phases omestic terminal area flight. THE ACCOMPLISHED IN THE FOLLOWING MANNER: techniques, validated by precedents.	TO: determine feasibility of one s of domestic and oceanic enroute Under contract, a unit with best eding evaluations, will be assembled.
b. TEC: 10. CENECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIDE IS INTENDED TO: determine feasibility of airborne navigation system serving all phases of domestic and oceanic enro flight, and domestic terminal area flight. 11. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: Under contract, a unit with VLF and Omega techniques, validated by preceding evaluations, will be ass Appropriate lab and flight tests will be conducted and results evaluated. 12. PRODUCT: THE PRODUCT OF THIS RESIDE, Evaluation Report , IS INTENDED TO: EAA decisions on systems using combin-AND WILL BE DELIVERABLE TO SRDS ations of VLF and OMEGA techniques OF CR ABOUT 10/79 13. MILESTONE SCHEDULE: DESCRIPTION DATE	D. CENECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIDE IS INTENDED TO: determine feasibility of one airborne navigation system serving all phases of domestic and oceanic enroute flight, and domestic terminal area flight. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE POLICHING NAMES: Under contract, a unit with best VLF and Omega techniques, validated by preceeding evaluations, will be assembled. Appropriate lab and flight tests will be conducted and results evaluated. PRODUCT: THE PRODUCT OF THIS RESIDE, Evaluation Report , IS INTENDED TO SUPPORT FAA decisions on systems using combin-AND WILL BE DELIVERABLE TO SRDS ations of VLF and OMEGA techniques OF ANOTHER PRODUCT: DESCRIPTION DATE 1. Initiate contractor effort 10/78	D. OBJ	TEC: TECTIVE(S): R LEVEL OF EFFOR I rborne navid Light, and de TROACE: IS EFFORT WILL E LF and Omega	gation system serving all phases omestic terminal area flight. E ACCOMPLISHED IN THE FOLLOWING MARKER: techniques, validated by precedents.	FA75 WA-3662 To: determine feasibility of one s of domestic and oceanic enroute Under contract, a unit with best eding evaluations, will be assembled.
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	CURRENT NUMBER:	3. REVISION:	4. START I	ATE:	
	043-311-03			6/75	Mar I
	TITLE OF PROJECT:				
		System Evaluation			
	MANAGER/ORGANIZATION:		7. REQUIRE	MENT:	
	George Quinn, ARD		IA with	USAF	
•	PARTICIPATING ORGANIZATION OF THE PARTICIPATING ORGANIZATION ORGANIZ	TIONS AND AGREEMENT NUMBERS:		ir Force FA75WAI-521 t Speckled Trout"	
	b. TSC:				. 4
	OBJECTIVE(S):		L		
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2.	CURRENT NUMBER: 3. REVISION:	4. START DATE:
T.	I 043-311-5	6/78
5.	TITLE OF PROJECT:	Market to leave
	Evaluate OMEGA as a Primary Oceanic Na	vigation Aid
6.	MANAGER/ORGANIZATION: George Quinn, ARD-732	7. REQUIREMENT: AFS-1 Letter dated 11/23/76
9.	PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: ANA-330 NPD #04-362	c. OTHER:
-	b. TSC:	
	. 150.	
0.	OBJECTIVE(S):	
1.	1 	MANNER: Contracts will be awarded to each of EGA systems already installed in aircraft as
	replacements for Loran-A. a contract w	ill be awarded for analysis of data collected
	replacements for Loran-A. a contract w Recording instrumentation will be prov	ill be awarded for analysis of data collected
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2.	CURRENT NUMBER: 3. REVISION:		4. START DATE:
	1 043-311-07		1/78
	TITLE OF PROJECT: OMEGA/VLF Dynamic Signal Simulator		
	MANAGER/ORGANIZATION:		7. REQUIREMENT:
	George Ouinn, ARD-732		FAA-ED-04-01 a Program Plan (Dra
	PARTICIPATING ORGANIZATIONS AND AGRESMENT NUMBERS a. NAFEC:	e. OTH	
-	b. TSC:		
-	OBJECTIVE(S):		SCHOOL STATE
	simulator for use by FAA in determining as navigation aids in the oceanic and APPROACE:	domestic AT	
	THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING develop a prototype dynamic OMEGA and		simulator. This prototype will
	be tested and evaluated by NAFEC, lead procurement.	ing to syst	em specifications for production
		ing to syst	, is instanced to support
	PRODUCT: THE PRODUCT OF THIS RESUME, Evaluation use of OMEGA/VLF systems as sole means of navigation	ing to syst	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RESUME, Evaluation use of OMEGA/VLF systems as sole means of navigation ON OR ABOUT 7/82	ing to syst	, is intended to support
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2. CURRENT NUMBER: II 044-326-05	3. REVISION:		4. START DATE:
. TITLE OF PROJECT:			7/73
RNAV Avionics Standa	ards 2D/3D		controlly damped a property of the con-
. MANAGER/ORGANIZATION:	NEWS AND ADDRESS OF THE PARTY O		7. REQUIREMENT: (Draft)
Paul M. Rich, ARD-33 PARTICIPATING ORGANIZATION			ED Program Plan 04 (Navigation)
a. NAFEC: ANA-260 ANA-310	NPD #04-276 NPD #07-384	c. OTHE	R: Systems Control, Inc. FA72WA-3098
b. TSC:			
. OBJECTIVE(S):			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
order for 2D/3D RNAV		MED TO:	formulate a technical standard
. APPROACH:			
THIS EFFORT WILL BE ACCOMP	LISHED IN THE FOLLOWING MAN	Mar: Unde	r contract, SRDS will develop
data by means of ope	erational and experime	ntal flig	ht tests and cockpit simulation. ance standards will be established
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2	CURRENT NUMBER: 3. REVISION:	4. START DATE:
	11 045-390-01	6/78
•	TITLE OF PROJECT:	
_	Helicopter IFR Operation Evaluation MANAGER/ORGANIZATION:	7. REQUIREMENT:
	James Nelson, ARD-706	Development Program Plan
	PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	
	a. NAFEC: c. OTH	NAVY - Interagency Agreement DOT-FA79-WAI-019
	b. TSC:	501 111.7 mm 01
٥.	OBJECTIVE(S):	
	THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO:	support enhanced Instrument Flight
	Rule operations.	
١.	APPROACE:	
	THIS EFFORT WILL BE ACCOMPLISHED IN THE POLLOWING MANNER: SRD	s, with contractor, NAFEC and U.S.
	Coast Guard support, will collect flight data to p	provide information for standards
	Coast Guard support, will collect flight data to proncerning Loran-C, airborne radar approaches, and	provide information for standards dapproaches using existing naviga-
	Coast Guard support, will collect flight data to proncerning Loran-C, airborne radar approaches, and tion aids. Flight experience and data will be coalong the Northeast Corridor during actual operations.	provide information for standards d approaches using existing naviga- llected from commercial operators ion. Flight data will be collected
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2.	CORRECT MUMBER:		3. REVISION:	4. 9	TART DATE:		
1	1 048-312-02					6/75	
	TITLE OF PROJECT:						
	Evaluate Lorar	i-C	as a VOR-DME Replacement				
	MANAGER/ORGANIZATIO			7. R	EQUIREMENT:		
	George Quinn,			F7	A-ED-04-03	Program 1	Plan (dra
	PARTICIPATING ORGAL	IZAT	TIONS AND AGREEMENT NUMBERS:	OTHER: FA	75WA-3662		
	ANA-330 NPD	#04			stems Cont	rol, Inc.	
	b. TSC:						
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•	OBJECTIVE(S):						
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			COMPLISHED IN THE FOLLOWING MANNER:		y studies		
	conducted to e	Xail	The technical capabilities	and Cost Ct	msideracio	ns in the	porentra
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2	CURRENT NUMBER: 3. REVISI	ON.	1	. START DATE:		
	1 048-312-03	LON:		. START DATE:		
_	TITLE OF PROJECT:					
	Evaluate Loran-C as VOR-DME	Supplement				
	MANAGER/ORGANIZATION:		7	. REQUIREMENT:		
	George Quinn, ARD-732			FAA-FD-04-A	Program Plan (draft)
	PARTICIPATING ORGANIZATIONS AND AGRE a. NAFEC: ANA-330 NPD #04-362	EMENT NUMBERS:	c. OTHER:		-Systems Contro	
-	b. TSC:		 			
	OBJECTIVE(S):					
	THE LEVEL OF EFFORT IDENTIFIED IN TH supplement for VOR-DME in an and Alaska.)					
	APPROACH:					
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. CURRENT NUMBER:	3. REVISION:	4. START DATE:
II 048-312-04		1/76
. TITLE OF PROJECT:		
Loran-C Signal	Monitor System	
. MANAGER/ORGANIZATION	II TO THE PARTY OF	7. REQUIREMENT:
George Quinn, A	PD=732	FAA-ED-04-01 A Program Plan (dra
 PARTICIPATING ORGANI NAFEC: 	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
ANA-330 NPD #	04-362	
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. OBJECTIVE(S):		DED TO: Assemble a Loran-C signal monitor
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	ormalized Lora			7. REQUIREMENT:	
	eorge Quinn, A			FAA-ED-04-01 A	(Draft)
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				of Loran-C signal: o evaluate the tech	
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	241-02	3. REVISION:		4. STAR	T DATE:	10/77
	OF PROJECT: ared Runway C	collision Avoidance Sys	stem			
	R/ORGANIZATION:			7. REQU		
	st Lucier, AR	ID-253 TIONS AND AGREEMENT NUMBERS:		AFS	-1 Request	
a. NA		ITURS AND AGREEMENT NUMBERS:	e. OTHER		Corp. 78 WA-419	96
b. TS	C:					
OBJECT:	IVE(S):					
	infrared tech	developing a runway co nology.	oritision avo	Idance (device usi	ng state-or-the-
perfo	FFORT WILL BE ACC orm a system ision avoidan	CMPLISHED IN THE FOLLOWING I analysis to determine ce system.	MANNER: SRD	s, with of a to	contracto wo-color i	r support, will nfrared runway
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	TITLE OF PROJECT:	1			6/75
	Develop BCAS Syste	em			
•	MANAGER/ORGANIZATION: Owen E. McIntire,	ARD-250	7.	Minutes E7 (EXCOM Meeting
		IONS AND AGREEMENT NUMBERS:		ECAC TOWAL	
	a. NAFEC: NPP - #05-172 NPD	#05-298	c. OTHER:	MITRE	//WAI-01/
	b. TSC: #FAA-839				
-	OBJECTIVE(S):				
	ATCRBS and DABS tr APPROACE:	ransponders with altitude	e encoders.		
	THIS EFFORT WILL BE ACC	OMPLISHED IN THE FOLLOWING MARK duct simulation tests, pe	EAT:		SC, and contracto lop hardware, for
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	TITLE OF PROJECT		ning and	Design						
	MANAGER/ORGANIZA	TION:				7.	RECUIRE	ENT:		
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9.	PARTICIPATING OR a. NAFEC:	GANIZATIO	NS AND AGR	EFMENT NUMBERS:	c. OTH	SR:		ndustri 78-WA-4	es 78WAI- 075	830
	b. TSC:									
0.	OBJECTIVE(S):									
	operations a	nd envi	ronments	projected f	or the 198	Os.				
	THIS EFFORT WILL provide plan Ground/Groun	ning, o	verall s	ystem design	and analy	sis	ith con to supp	tractor ort all	support, A/G (RCS	will)
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-	F PROJECT:	ions Standardization	
MANAGER	ORGANIZATIO	N:	7. REQUIREMENT:
	noades, AR		NCS letter to AAT-360
PARTICI a. NAF		IZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
b. TSC)1		
OBJECTI	VE(S):		
	ct to the	international communication FAA in the utilization of de	n standards and procedures, and determine eveloped standards.
FAA's		ations requirements are know	rnational standards groups; and will insur vn and considered in formulating new and
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b. TSC: PPA #FAA-862 CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: evaluate and demonstrate the benefits of using a data link for transmitting air-ground-air aviation related messages. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWIN: MANNER: SRDS, with contractor support, wi perform exploratory research and development to select applications, design grou and airborne terminals for input/output, and demonstrate a practical automatic data link. PRODUCT: THE PRODUCT OF THIS RESUME, Report and design data , IS INTENDED TO SUPPORT FAA ON OR ABOUT as developed.
NANAGER/ORGANIZATION: John J. Bisaga, ARD-230 FARTICIPATING ONGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: C. OTHER: c. OTHER: b. TSC: PPA #FAA-862 CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: evaluate and demonstrate the benefits of using a data link for transmitting air-ground-air aviation related messages. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING NAMER: SRDS, with contractor support, wi perform exploratory research and development to select applications, design grou and airborne terminals for input/output, and demonstrate a practical automatic data link. PRODUCT: THE PRODUCT OF THIS RESUME, Report and design data AND WILL BE DELIVERABLE TO FAA ON OR ABOUT as developed. MILESTOFT SCHEDULE:
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John J. Bisaga, ARD-230 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NATEC: b. TSC: PPA #FAA-862 CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: evaluate and demonstrate the benefits of using a data link for transmitting air-ground-air aviation related messages. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWIN MANNER: SRDS, with contractor support, wi perform exploratory research and development to select applications, design grou and airborne terminals for input/output, and demonstrate a practical automatic data link. PRODUCT: THE PRODUCT OF THIS RESUME, Report and design data AND WILL BE DELIVERABLE TO ON OR ABOUT as developed. MILESTORS SCHEDULE:
b. TSC: PPA #FAA-862 CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: evaluate and demonstrate the benefits of using a data link for transmitting air-ground-air aviation related messages. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, with contractor support, wi perform exploratory research and development to select applications, design grou and airborne terminals for input/output, and demonstrate a practical automatic data link. PRODUCT: THE PRODUCT OF THIS RESUME, Report and design data, IS INTENDED TO SUPPORT FAA ON OR ABOUT _as developed. MILESTOF: SCHEDULE:
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THE PRODUCT OF THIS RESUME, Report and design data , IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO FAA ON OR ABOUT as developed. MILESTON: SCHEDULE:
MILESTON SCHEDULE:
DATE DATE
1. Demonstration at DABSEF 12/78
2. Final Report/Documentation 4/80

I 062-221-0		3. REVISION:		4. START DATE: FY-78
· TITLE OF PR		ntrol System (VSCS)		
. MANAGER/ORGA Leo Gumin	unization:	6		7. REQUIREMENT: FAA-ED-06-1 (draft)
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	I 062-221-03					12/77	
•		A/G Communications Antenn	as				
5.	MANAGER/ORGANIZATION: L. Bosin, ARD-223		7.	REQUIREM	ENT:		
_		TONS AND AGREEMENT NUMBERS:		9550	#AAF-4	140-77-4	
,. 	a. MAPEC:	TORS AND AGREEMENT NUMBERS:	c. OTHER:	Harry 78WAI-	Diamond 851	l Labs	
	b. TSC:						
٥.	OBJECTIVE(S):						
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2. I	CURRENT NUMBER:	3. REVISION:	4. START DATE: 8/78	
	TITLE OF PROJECT:		3,70	
	Helicopter Commu	nications		
5.	MANAGER/ORGANIZATION		7. REQUIREMENT: Helicopter Opera	atio
	O. J. DeZoute, A		Development Prog. Plan	
	PARTICIPATING ORGANI a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	OTHER:	
		04-350		
	b. TSC:		0.1	
	CBJECTIVE(S):			
		perating under Instrument Fligh	provide ATC communications for us t Rules.	
	APPROACH:			
		toothe manufacture and the state of the stat	SRDS, with NAFEC and contract suppo	ort
	will study short	-term communication problems, id	ong-term communication problems,	
	propose and deve	elop operational or technical so	lutions, and perform tests. , IS INTENDED TO SUPPORT	
•	PRODUCT: THE PRODUCT OF THIS IS ATC Communication Helicopter opera	RESUME, Technical Data Package	, IS INTENDED TO SUPPORT	
	PRODUCT: THE PRODUCT OF THIS I	RESIME, Technical Data Package	, IS INTENDED TO SUPPORT	
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	PRODUCT: THE PRODUCT OF THIS: ATC Communication Helicopter operation on OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Communication	RESUME, Technical Data Package on system for IFR AND WILL BE tions 9/82	DATE 10/79	
	PRODUCT: THE PRODUCT OF THIS: ATC Communication Helicopter operation on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Communication 2. Selection	RESUME, Technical Data Package on system for IFR AND WILL BE tions 9/82.	, IS INTENDED TO SUPPORT DELIVERABLE TO AAF DATE 10/79 at NAFEC 9/81	
	PRODUCT: THE PRODUCT OF THIS: ATC Communication Helicopter operation on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Communication 2. Selection	RESUME, Technical Data Package on system for IFR AND WILL BE tions 9/82 ications study complete ed communications system tested ed communications system tested	, IS INTENDED TO SUPPORT DELIVERABLE TO AAF DATE 10/79 at NAFEC 9/81	
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I 063-221-0		3. REVISION:		4.	START D		11/77	
TITLE OF PRO								
		ng System (SVSS	3)					
MANAGER/ORGA				7.	REQUIRE	MENT:		
F. Coble,	ARD-221	NS AND AGREGMENT NU	-Ama		9550	#AAF-	75-17	
a. NAFEC:	G ONGANISATIO	NO ALLU ALINEMPIRITE IN	JMB ARS !	e. OTHER!				
	pport to be	requested						
b. TSC:								
OBJECTIVE(S)) t							
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		■ Technical Da	ita Packa	ge.				
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	URRENT NUMBER:	3. REVISION:	4. STAR	T DATE:		
_	064-221-01			1	1/73	
	ITLE OF PROJECT:					
_	National Airsp ANAGER/ORGANIZATIO	pace Data Interchange Netwo	7. REQU	TRIMENT:	ARD-1 lette	er to
	C. LaRue, ARD-			-1 dated 9		
PA		NIZATIONS AND AGREEMENT NUMBERS:	c. OTHER:			
b.	. TSC:					-
ОВ	BJECTIVE(S):					
		r identified in this resume is int ADIN I, NADIN II and NADIN				
AP	PPROACH:					
		E ACCOMPLISHED IN THE FOLLOWING MA			nduct syste	em des
8	studies and pe	oction contract and accepta erform network analyses for ware and software for NADIN	r NADIN II; prepare	e procurem	ent specifi	catio
s d	studies and pe data for hardw REDUCT:	erform network analyses for ware and software for NADIN	r NADIN II; prepare N enhancement.			
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2.	CURRENT NUMBER: 3. REVISION:	4. START DATE:
	I 064-221-02	10/78
	TITLE OF PROJECT:	
_	ELT/SAR Support	200000000000000000000000000000000000000
٥.	MANAGER/ORGANIZATION: N. R. Anderson ARD-223	7. REQUIREMENT: 9550 No. AFS-100-78-162
9.	PARTICIPATING ORGANIZATIONS AND AGREEMENT N	
	a. NAFEC:	c. OTHER: NASA FA79WAI-002
	b. TSC:	
0.	OBJECTIVE(s):	
		ME IS INTENDED TO: provide data on which to base minimely Locator Transmitters used for search and rescue
L.	APPROACE:	
	at least 100 preproduction ELTs fr tions developed by FAA/NASA. Test	LOWING MARKER: SRDS, with NASA support, will procure rom a variety of manufacturers, built to specificates will be conducted at manufacturer's facilities, tion facility, and in the field. Results will be report to AFS.
	WDODION.	
2.	PRODUCT: THE PRODUCT OF THIS RESUME, issuance of a Technical Standard O ON OR ABOUT6/82	order to establish ELT performance standards. AND WILL BE DELIVERABLE TO AF
	THE PRODUCT OF THIS RESUME, Report issuance of a Technical Standard O	order to establish ELT performance standards.
	THE PRODUCT OF THIS RESUME, Report issuance of a Technical Standard O	order to establish ELT performance standards.
	THE PRODUCT OF THIS RESUME, Report issuance of a Technical Standard O ON OR ABOUT 6/82	order to establish ELT performance standards. AF
	THE PRODUCT OF THIS RESUME, Report issuance of a Technical Standard O ON OR ABOUT 6/82 MILESTONE SCHEDULE: DESCRIPTION	order to establish ELT performance standards. AF DATE to ALG 2/80
3.	THE PRODUCT OF THIS RESUME, issuance of a Technical Standard O ON OR ABOUT6/82 MILESTONE SCHEDULE: DESCRIPTION 1. Procurement Request forwarded 2. ELTs delivered to AFS for field	to ALG 2/80
	THE PRODUCT OF THIS RESUME, issuance of a Technical Standard O ON OR ABOUT6/82 MILESTONE SCHEDULE: DESCRIPTION 1. Procurement Request forwarded 2. ELTs delivered to AFS for field	to ALG 2/80 Attention of the standards
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•	THE PRODUCT OF THIS RESUME, issuance of a Technical Standard O ON OR ABOUT6/82 MILESTONE SCHEDULE: DESCRIPTION 1. Procurement Request forwarded 2. ELTs delivered to AFS for field	to ALG 2/80 Ad testing. 2/81

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I 065-2		3. REVISION:	4. START DATE:
TITLE OF	PROJECT:	ications System Control D	
	ORGANIZATION:	actions bystem control b	7. REQUIREMENT:
	Anderson,	ARD-223	FAA-ED-06-1 (draft)
PARTICIA . NAFI NPD		ATTONS AND AGREEMENT NUMBERS:	c. OTHER:
b. TSC:			
	L OF EFFORT I	DENTIFIED IN THIS RESUME IS INTE	NORD TO: develop a technical control and
will a	ORT WILL BE AN develop har , and data		niques as required to permit the voice, munications system to provide a total sys
techn:	UCT OF THIS R	m.	XXEX INTENDED TO SUPPORT a WILL BE DELIVERABLE TO SRDS
techn:	oct of THIS R	1 & remote maintenance mm.	
techn: monito	DUCT OF THIS Rical contro oring syste DUT as dev	1 & remote maintenance mm.	
technimonite on on A	COLOR THIS RICAL CONTROL SYSTEM OF THIS RICAL CONTROL OF THIS RIC	1 & remote maintenance mm.	WILL BE DELIVERABLE TO SRDS
technimonite on of A	ical contro oring syste 3007 as dev E SCHEDULE: TION 1. Sizing 2. Draft	l & remote maintenance MND m.	DATE 3/79

	URRENT NUMBER:		3. REVISI	OM.		1	START I	ATTP.			
	066-221-01		J. KEV101	.oa.		•	SDAT I	MIE:	,	/76	
	TTLE OF PROJECT:						-			776	
	Communication		ining Eng	gineering							
M	ANAGER/ORGANIZAT	ION:				7.	REQUIRE	MENT:	_		
N	N. Anderson,	ARD-22	3						o AN	IA-1 d	ated 4/7/
	ARTICIPATING ORG . NAFEC:	ANIZATIO	NS AND AGRE	EMENT NUMBERS:	e. OTHE	R:					
ъ.	. TSC:							-			
Œ	BJECTIVE(S):			*****							
	pperational c	apabil:	ity, redu	ice cost or i	mprove ins	ervi	ce mai	int ai na	abil	ity.	
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· 22	RODUCT: HE PRODUCT OF THE ORIGINA OPERATOR ABOUT 1. T&E Dev. 2. Dat	IS RESUMO tional equired E: and ar ices co	Report communic	and/or technations AMO	as they are mical data of will be detailed.	TVERA	signed	., IS I	DATE 10/	DED TO 8 ating 78	SUPPORT
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2.	CURRENT NUMBER:	3. REVISION:		4. 8	TART DATE:		
I	1 071-412-02					6/75	
	TITLE OF PROJECT:					9*7	
		ghting for Unpaved Runways					
	MANAGER/ORGANIZATION J. W. Simeroth	ARD-432			EQUIREMENT: etter from	9550 Equiv	alent
	PARTICIPATING ORGAN a. NAFEC:	TIZATIONS AND AGREEMENT NUMBERS:	c. OTHER	R:			
	ANA-430	NPD #07-493					
	b. TSC:						
	OBJECTIVE(S):						-
	necessary for	DENTIFIED IN THIS RESUME IS IN a standard for marking and	lighting	unpav	ed runway	s.	pmerre
	APPROACH:						
	THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING MA				support, will	
	and test light	ing and marking systems, o	collect and			and make reco	mmenda-
	tions for esta	blishing requirements for	marking an	id lig	hting.		
	PRODUCT:	machnical Data Da	ockage.				
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	THE PRODUCT OF THIS	ndard AN	nckage	IVERABL	22	INTENDED TO SUPPOR	
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	a national sta	ndard AN		IVERABL	22	-	
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	THE PRODUCT OF THIS a national sta ON OR ABOUT 1/ MILESTONE SCHEDULE: DESCRIPTION 1. Sele 2. Comp	ndard AND 80 ct sites for in-service tellete data collection	D WILL BE DELI	IVERABL	22	P and New Jers DATE 10/78 7/79	
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2.	CURRENT NUMBER:	3. REVISION:	4.	START DATE:	11/2/24/2	Note
I	1 071-412-04				9/75	
	TITLE OF PROJECT:				12000	77 77
_	Low-Cost VASI MANAGER/ORGANIZATI		attinud hito:	PROJECTED COM	Str. 1908 - X-152	13,763
•	John Simeroth,			9550 #AAI	P-502-76-2	
	a. NAFEC:	NIZATIONS AND AGREEMENT NUMBERS: NPD #07-493	c. OTHER:			TEST OF
	b. TSC:					100
	OBJECTIVE(S):				881	
	unpaved runway	for low-cost visual approach s.	slope indi	cators for	r general avia	ation an
	APPROACE:					
		E ACCOMPLISHED IN THE FOLLOWING MANNER			100.00	
	evaluate VASI	devices collect data and make	recommend	lations to	requirement	s necess
		devices, collect data and make eral Aviation in unpaved runwa				
		eral Aviation in unpaved runwa				
	for use by Ger					
	for use by Gen	eral Aviation in unpaved runwa	ays.		The state of the s	
	PRODUCT:	eral Aviation in unpaved runwa	ays.		INTENDED TO SUP	
	PRODUCT: THE PRODUCT OF THE	eral Aviation in unpaved runwa s resume, <u>Data for VASI standa</u>	ays.			
	PRODUCT:	eral Aviation in unpaved runwa s resume, <u>Data for VASI standa</u>	ays.			
	PRODUCT: THE PRODUCT OF THE	eral Aviation in unpaved runwa s resume, Data for VASI standa rements AND WILL - 8/81	ays.			
	PRODUCT: THE PRODUCT OF THE Standard requirements on or About 6/79	eral Aviation in unpaved runwa s resume, Data for VASI standa rements AND WILL - 8/81	ays.			
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	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
	PRODUCT: THE PRODUCT OF THIS Standard requi ON OR ABOUT 6/79 MILESTONE SCHEDULE DESCRIPTION 1. Deci 2. If n 3. If i	s resume,	ard L BE DELIVERAR	AAI	DATE 12/78 6/79	
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2. CURRENT NUM		3. REVISION:	4.	START DATE:	Louise to the second
II 071-412-	05				3/77
. TITLE OF PR					
		MALSR Threshold Lights			
MANAGER/ORG John Sim	eroth, ARI	0-432	7.	REQUIREMENT 9550 #A	: AF-76-23
PARTICIPATI	NG ORGANIZAT	TONS AND AGREEMENT NUMBERS:			
a. NAFEC:			c. OTHER:		
	NPD #07-	-493			
b. TSC:					
OBJECTIVE(S):				10.0000
into sub	ject facil	stallation criteria to lities.	incorporate t	inresnold 1	ighting fixtures
1. APPROACH:					
THIS EFFORT	WILL BE ACC	CMPLISHED IN THE FOLLOWING			support, will revi
	rt results	nts, procure and perfo	rm laboratory	and flight	tests on equipment
PRODUCT:					
		uws,Technical Data		, T	s intended to support
THE PRODUCT		UME,Technical Data			s intended to support AAF
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THE PRODUCT Threshold ON OR ABOUT MILESTONE S DESCRIPTION	OF THIS RES	Technical Data Standard A			DATE

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2.	CURRENT NUMBER: 3. REVISION:	4. START DATE:
11	1 071-412-07	5/77
5.	TITLE OF PROJECT: Intensity Settings of Light Systems	
5.	MANAGER/ORGANIZATION:	7. REQUIREMENT:
	John Simeroth, ARD-432	9550 #AAP-550-77-1
9.	PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS a. NAFEC: ANA-430	c. OTHER: NAVY (NAEC) IAA DOT FA 77 WAI-786
	b. TSC:	
0.	OBJECTIVE(S):	
	and background luminance. APPROACE:	systems as a function of visual range luminance
••		CDDC with WAFEC and contract suppor
	will analyze existing reports, prepare and photometric measurements at NAFEC	testing requirements, perform flight tests
2.	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report	testing requirements, perform flight tests
	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard	/Proposed Standard , IS IMPRIDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard ON OR ABOUT 4/80	/Proposed Standard , IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard on or ABOUT MILESTONE SCHEDULE:	/Proposed Standard , IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO AAP
	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION	/Proposed Standard, IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO
2.	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete final contractor re	/Proposed Standard , IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO AAP DATE port 1/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Technical Report US - recommendation to ICAO and operational standard ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Complete final contractor re 2. Complete testing and data co	/Proposed Standard , IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO AAP DATE port 1/79 1lection 8/79

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	CURRENT NUMBER: I 071-412-08	3. REVISION:		4. STAR	T DATE:	3/77	
5.	TITLE OF PROJECT:	estion Lights	200	11.10.3	n 1 3 a	Pres 1 19 12	1 T T T T T T T T T T T T T T T T T T T
	Temporary ObstrumANAGER/ORGANIZATION:			7. REQU	TREMENT.		
	John Simeroth, A			9550		r-200-16	
	PARTICIPATING ORGANIZ a. NAFEC: ANA-430 NPD #0	ATTONS AND AGREEMENT NUMBERS:	c. OTHER				CIT-BUL
	b. TSC:						
· ·	OBJECTIVE(S):		1				
	during the const	ruction phase.					
	ATTIONOL.						
	THIS EFFORT WILL BE A	ccomplished in the following MANN ements, availability of or alyze data, and prepare f	ff-the-she	elf equi	NAFEC :	support, which wil	will 1 meet the
	THIS EFFORT WILL BE A determine requirements, an FRODUCT:	rements, availability of onalyze data, and prepare for the same of	ff-the-she	elf equi	, is	support, which wil	1 meet the
	THIS EFFORT WILL BE A determine requirements, and requirements, and FRODUCT: THE PRODUCT OF THIS R Advisory Circula Obstruction Light ON OR ABOUT	rements, availability of onalyze data, and prepare for the same of	ff-the-she	elf equi	, is	which wil	1 meet the
	THIS EFFORT WILL BE A determine requirements, and requirements, and FRODUCT: THE PRODUCT OF THIS R Advisory Circula Obstruction Light ON OR ABOUT	rements, availability of onalyze data, and prepare for the same of	ff-the-she	elf equi	, is	which wil	1 meet the
	THIS EFFORT WILL BE A determine requirements, and requirements, and PRODUCT: THE PRODUCT: THE PRODUCT OF THIS READVISORY Circula Obstruction Light ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	rements, availability of or alyze data, and prepare for the same,	ff-the-she	elf equi	, is	MATE	1 meet the
	THIS EFFORT WILL BE A determine requirements, and requirements, and FRODUCT: THE PRODUCT OF THIS R Advisory Circula Obstruction Light ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Comple if requirements	rements, availability of or alyze data, and prepare for the same,	ff-the-she	elf equi	, is	MATE	1 meet the
2.	THIS EFFORT WILL BE A determine requirements, and requirements, and FRODUCT: THE PRODUCT OF THIS R Advisory Circula Obstruction Light ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Comple if requirements.	rements, availability of or alyze data, and prepare for the same,	ff-the-she	elf equi	, is	DATE 12/78	1 meet the
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	THIS EFFORT WILL BE A determine requirements, and requirements, and FRODUCT: THE PRODUCT OF THIS R Advisory Circula Obstruction Light ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Comple if requirements.	rements, availability of or alyze data, and prepare for alyze data. Technical Data T/Spec. for Temporary AND vits 6/79 te photometric and environuired te final report	ff-the-she	elf equi	, is	DATE 12/78 1/79	1 meet the
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CURRENT NUMBER	: 3. REVISION:		4. START DATE:	
11 071-713-02				6/76
TITLE OF PROJECT	T: ning Engineering (GS End	ifire Array)	a et ja ja karea la	
MANAGER/ORGANIZ		Title milay,	7. REQUIREMENT:	
	nga, ARD-720			-ARD-78-1
	ORGANIZATIONS AND AGREEMENT NU			
a. NAFEC:	IPD #07-316	c. OTHER		
b. TSC:				
OBJECTIVE(S):				
	FFORT IDENTIFIED IN THIS RESUM nited terrain or tidal p nna.			
APPROACH:				
THIS EFFORT WI	LL BE ACCOMPLISHED IN THE FOLL	OWING MANNER: SRDS	, with NAFEC SU	upport, will test
and evaluat	e different configurati			
collected t	a prepare production er			
· PRODUCT:	to prepare production sp	pecifications.		
. PRODUCT: THE PRODUCT OF Siting prob ON OR ABOUT	THIS RESUME, Final Productions 7/79	pecifications.	ons, is in	
PRODUCT: THE PRODUCT OF Siting prob ON OR ABOUT MILESTONE SCHE	THIS RESUME, Final Productions 7/79	ecifications.	ons, is in	wrended to support
THE PRODUCT OF Siting prob	THIS RESUME, Final Productions 7/79	ecifications.	ons, is in	
. PRODUCT: THE PRODUCT OF SITING PROB ON OR ABOUT . MILESTONE SCHEE DESCRIPTION	THIS RESUME, Final Productions 7/79	pecifications. action Specificati AND WILL BE DELIV	ons, is in	wrended to support
. PRODUCT: THE PRODUCT OF SITING PRODUCT ON OR ABOUT . MILESTONE SCHEE DESCRIPTION 1. (THIS RESUME, Final Productions 7/79 DULE:	necifications. AND WILL BE DELIVED AND WILL BE DELIVED BE DELIVED BY THE BEAUTY AND WILL BE DELIVED BY THE BEAUTY BY THE BY THE BEAUTY BY THE BEAUTY BY THE BEAUTY BY THE BEAUTY BY THE BY THE BEAUTY BY THE	ons , is in	NTENDED TO SUPPORT
THE PRODUCT OF SITING PRODUCT ON OR ABOUT MILESTONE SCHE DESCRIPTION 1. (2)	THIS RESUME, Final Productions 7/79 COLE: Complete test of standar complete capture effect	necifications. AND WILL BE DELIVE and antenna	ons , is in	DATE 12/78 5/79
PRODUCT: THE PRODUCT OF SITING PRODUCT ON OR ABOUT MILESTONE SCHE DESCRIPTION 1. (2)	THIS RESUME, Final Productions 7/79 DULE: Complete test of standar	necifications. AND WILL BE DELIVE and antenna	ons , is in	NTENDED TO SUPPORT DATE 12/78
PRODUCT: THE PRODUCT OF SITING PRODUCT ON OR ABOUT MILESTONE SCHE DESCRIPTION 1. (2)	THIS RESUME, Final Productions 7/79 COLE: Complete test of standar complete capture effect	necifications. AND WILL BE DELIVE and antenna	ons , is in	DATE 12/78 5/79
THE PRODUCT OF SITING PRODUCT ON OR ABOUT MILESTONE SCHE DESCRIPTION 1. (2)	THIS RESUME, Final Productions 7/79 COLE: Complete test of standar complete capture effect	necifications. AND WILL BE DELIVE and antenna	ons , is in	DATE 12/78 5/79
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THE PRODUCT OF SITING PRODUCT ON OR ABOUT MILESTONE SCHE DESCRIPTION 1. (2)	THIS RESUME, Final Productions 7/79 COLE: Complete test of standar complete capture effect	necifications. AND WILL BE DELIVE and antenna	ons , is in	DATE 12/78 5/79
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PRODUCT: THE PRODUCT OF Siting prob ON OR ABOUT DESCRIPTION 1. (2) 2. (4)	THIS RESUME, Final Productions 7/79 COLE: Complete test of standar complete capture effect	necifications. AND WILL BE DELIVE and antenna	ons , is in	DATE 12/78 5/79

CURRENT NUMBER:	3. REVISION:		4. START DATE:
II 071-713-04			
ILS Sustaining I	Engineering (Dev. Slotte	ed Cable Loca	lizer)
. MANAGER/ORGANIZATION	and the second second second	T	7. REQUIREMENT:
V. Bencivenga, 1			AAF Letter dated 6/21/77
a. NAFEC: ANA-310 NPD #	ATIONS AND AGREEMENT NUMBERS:	c. OTHER:	
b. TSC:			
. OBJECTIVE(S):			
	antenna, antenna to pro		ovide specifications for a slow and back course, low-profile
. APPROACH:			
THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING	MANNER: SRDS	with NAFEC support, will tes
	e duel frequency (C.E.) of production specifica		e localizer, contributing to
		ectons.	
2. PRODUCT:	RESUME, Final Production		
PRODUCT:	RESUME, Final Production	n Specificati	
PRODUCT: THE PRODUCT OF THIS I Slotted Cable La	RESUME, Final Production	n Specificati	
PRODUCT: THE PRODUCT OF THIS I Slotted Cable La	RESUME, Final Production	n Specificati	
PRODUCT: THE PRODUCT OF THIS I Slotted Cable Lo ON OR ABOUT _12/78 DESCRIPTION	RESUME, Final Production	n Specificati	TRABLE TOAAF
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PRODUCT: THE PRODUCT OF TRIS I Slotted Cable LA ON OR ABOUT _12/78. MILESTONE SCHEDULE: DESCRIPTION 1. Comple	Production ocalizer A	n Specificati	TERABLE TO AAF
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PRODUCT: THE PRODUCT OF THIS IS Slotted Cable LA ON OR ABOUT 12/78. MILESTONE SCHEDULE: DESCRIPTION 1. Comple	Production ocalizer A	n Specificati	TERABLE TO AAF
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2. PRODUCT: THE PRODUCT OF TRIS I Slotted Cable LA ON OR ABOUT 12/78. 3. MILESTONE SCHEDULE: DESCRIPTION 1. Comple	Production ocalizer A	n Specificati	TERABLE TO AAF

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	CURRENT NUMBER: 1 071-713-08	3. REVISION:		4. START DATE:	
	TITLE OF PROJECT:				
		Waveguide GS Array			
6.	MANAGER/CRGANIZATION:			7. REQUIREMENT:	
	V. Bencivenga, A			AAF-420 Letter dated 6/21/7	7
9.	PARTICIPATING ORGANIZA . NAFEC: ANA-310 NPD #0	ATIONS AND AGREEMENT NUMBERS	c. OTHE	R:	
	b. TSC:				
.0.	OBJECTIVE(S):				
	THE LEVEL OF EFFORT II field to solve s	DENTIFIED IN THIS RESUME IS I	INTENDED TO:	provide engineering support to he Glide Slope Array.	o the
1.	APPROACE:				
	THIS EFFORT WILL BE ACCOMPLETING the e	complished in the Following	MARKER: SRI	DS, with NAFEC support, is this resume, resulting in a f	inal
	report.				
2.	PRODUCT: THE PRODUCT OF THIS RI	Engineering Supp	port/Modific	ation kits , IS INTENDED TO SUPPOR	
2.	PRODUCT: THE PRODUCT OF THIS RI siting problems			ation kits , IS INTENDED TO SUPPOR	
_	PRODUCT: THE PRODUCT OF THIS RI siting problems ON OR ABOUT 12/78		port/Modific	ation kits , IS INTENDED TO SUPPOR	
2.	PRODUCT: THE PRODUCT OF THIS RI siting problems ON OR ABOUT 12/78		port/Modific	ation kits , IS INTENDED TO SUPPOR	
_	PRODUCT: THE PRODUCT OF THIS RI siting problems ON OR ABOUT 12/78		port/Modific	ation kits , IS INTENDED TO SUPPOR	
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_	PRODUCT: THE PRODUCT OF THIS RESILING PRODUCT 12/78 MILESTONE SCHEDULE: DESCRIPTION		port/Modific	ation kits , IS INTENDED TO SUPPOR	
_	PRODUCT: THE PRODUCT OF THIS RESILING PRODUCT 12/78 MILESTONE SCHEDULE: DESCRIPTION		port/Modific	ation kits , IS INTENDED TO SUPPOR	

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	CURRENT NUMBER: 071-713-09	3. REVISION:		4. START DATE:
	TITLE OF PROJECT:			FY-76
•		ain ILS Modulation Sta	andards at	NBS
	MANAGER/ORGANIZATION:			7. REQUIREMENT: Follow-on effort to
	Forrest Yetter, A	RD-732		a completed 9550, to establish Modulation Standards for ILS
	PARTICIPATING ORGANIZAT	TIONS AND AGREEMENT NUMBERS: #07-316	c. OTHE	10.000
	b. TSC:			
0.	OBJECTIVE(S):			
	ILS Modulation.			establish criteria for Standard fo
	APPROACH:			
			to public o	announcement of a Primary Standard
	PRODUCT: THE PRODUCT OF THIS RES	SUME, Primary Stand	dard	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RES	andard A	dard	, IS INTENDED TO SUPPORT
١.	THE PRODUCT OF THIS RES ILS Modulation St ON OR ABOUT	andard A	dard	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RES	andard A	dard	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RES ILS Modulation St ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	andard A	dard ND WILL BE DEL	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS RES ILS Modulation St ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	andard A	dard ND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TO DATE

	CURRENT NUMBER: 072-424-01	3. REVISION:		4. START DATE:	6/70	
j.	TITLE OF PROJECT:					
		e Frangible Lights and	Structures		THE RELATED THE PARTY OF	
	MANAGER/ORGANIZATION: S. Cannistra, AR	RD-431		7. REQUIREMENT: #AAF-76-11	9550s AAF-560-77-10	
	a. NAFEC:	ATIONS AND AGREEMENT NUMBERS	c. OTH	ж₹:	21.0	
_	ANA-430 NPD #0	17-493				-
	0. 180:					
	OBJECTIVE(S):					
	light fixtures.	DENTIFIED IN THIS RESUME IS		develop low-impa	refy pri-turer y at the curvature	
	APPROACH:					
		CCOMPLISHED IN THE FOLLOWING			upport, will test	
		w-impact resistance str nd wind tunnel tests.	ructures. I	ests will includ	e striking struct	
	PRODUCT: THE PRODUCT OF THIS R	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	Myknded to support	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	Myknded to support	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	Myknded to support	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MTENDED TO SUPPORT AFS	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	
	PRODUCT: THE PRODUCT OF THIS R Standard Approace ON OR ABOUT 11/78 MILESTONE SCHEDULE: DESCRIPTION	nd wind tunnel tests. MESUME, Low-Impact resist th Light System Install	tance light	report fixtures ; is I	MIENDED TO SUPPORT AFS DATE	

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2.	CURRENT NUMBER:		3. REVISION:		4	START D	Amp.		
	I 073-720-01		J. REVIDION.		-	STATE I	ALD:	10/7	16
_	TITLE OF PROJECT:							10/	-
	Head-Up Displ	ays (H	(UD) (Simulation)						
	MANAGER/ORGANIZAT				7.				tr to ARD-I
	William B. Da								r to NASA D Program R
•	PARTICIPATING ORG.	ANIZATIO	NS AND AGREEMENT NUMBER	e. OTHE	ъ.				ency Agreem
	ANA-430				n;		MI-105		ency Agreem
	b. TSC:								
	OBJECTIVE(S):								
	APPROACE:	laryc	turbojet airplane.						
	THIS EFFORT WILL	RE ACCOM	PLISHED IN THE FOLLOWIN	MANNER: NAFE	EC wi	11 ass	ist SR	os and	NASA in th
	PRODUCT: THE PRODUCT OF THE		g, Report	ature and per			, is in	randed t	O SUPPORT
	THE PRODUCT OF THE	IS RESUM	f safety factor	. AND WILL BE DEL	IVERAL	OLE TO _	, IS IM		O SUPPORT
	AFS determina provided by u	IS RESUM tion o	f safety factor		IVERAL	ele to _			O SUPPORT
	AFS determina provided by u on or ABOUT 1/8	IS RESUM tion o	f safety factor		IVERAL	els to _			NO SUPPORT
	AFS determina provided by u on or about 1/8	IS RESUM tion o	f safety factor		IVERAE	ols to _			NO SUPPORT
	AFS determina provided by u on or about 1/8	is resum tion o se of 0	f safety factor	AND WILL BE DEL			AFS-		O SUPPORT
	AFS determina provided by u on or about 1/8 MILESTONE SCHEDUL DESCRIPTION 1. Lab	is resum tion o ise of 0	f safety factor HUD imulation tests to	AND WILL BE DEL	idate	HUD	AFS-	DATE	NO SUPPORT
	THE PRODUCT OF THE AFS determina provided by u on or about 1/8 MILESTONE SCHEDUL DESCRIPTION 1. Lab 2. Ful	is resum tion o ise of 0	f safety factor HUD imulation tests to	AND WILL BE DEL	idate	HUD	AFS-	DATE	NO SUPPORT
	THE PRODUCT OF THE AFS determina provided by u ON OR ABOUT 1/8 MILESTONE SCHEDULE DESCRIPTION 1. Lab 2. Full can	is resum tion o ise of 0 E: and s	f safety factor HUD imulation tests to operational manner HUDs.	AND WILL BE DEL	idate usin	HUD G	AFS-	DATE 1/79 5/79	O SUPPORT
	THE PRODUCT OF THE AFS determina provided by u ON OR ABOUT 1/8 MILESTONE SCHEDULE DESCRIPTION 1. Lab 2. Full can 3. Fin	IS RESUM tion of ise of 00 E: 0 and s 1 crew didate	f safety factor HUD imulation tests to operational manner HUDs. ort (simulation and	AND WILL BE DEL	idate usin	HUD G	AFS-	DATE	NO SUPPORT
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	THE PRODUCT OF THE AFS determina provided by u ON OR ABOUT 1/8 MILESTONE SCHEDULE DESCRIPTION 1. Lab 2. Full can 3. Fin	IS RESUM tion of ise of 00 E: 0 and s 1 crew didate	f safety factor HUD imulation tests to operational manner HUDs. ort (simulation and	AND WILL BE DEL	idate usin	HUD G	AFS-	DATE 1/79 5/79	NO SUPPORT
	THE PRODUCT OF THE AFS determina provided by u ON OR ABOUT 1/8 MILESTONE SCHEDULE DESCRIPTION 1. Lab 2. Full can 3. Fin	IS RESUM tion of ise of 00 E: 0 and s 1 crew didate	f safety factor HUD imulation tests to operational manner HUDs. ort (simulation and	AND WILL BE DEL	idate usin	HUD G	AFS-	DATE 1/79 5/79	NO SUPPORT
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2.	CURRENT NUMBE	R:	3. REVISI	ION:	4	START DATE:	
1	1 073-720-02	2					
	TITLE OF PROJ						
_			HUD) Eval	uation - Fligh			
•	MANAGER/ORGAN William B.		NDD-730		1.	A/20/76; AOA ltr to	o NASA 9/21,
				EMENT NUMBERS:		FAA/NASA program re	equest
	a. NAFEC: ANA-310			stru	c. OTHER:	NASA Ames Interage NASA-NMI-1052-151	ncy Agreemen
	b. TSC:						
	OBJECTIVE(S):						
	APPROACE:						
	THIS EFFORT W	ILL BE ACCOM	PLISHED IN	THE FOLLOWING MANN	ER: SRDS, e HUD syste	with NAFEC and contra	act support
	Margae da 1						
•	PRODUCT:		Flia	ht Test Report			
•	THE PRODUCT OF			ht Test Report		, is intended to	O SUPPORT
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CURRENT NUMBE	IR:	3. REVISION:		4. STAI	T DATE:		
I 075-725-01						1971	
TITLE OF PROJ		12 - Custom	ar espiti - a	n Laboria		To also be being a	Company of the Control
		anding System	9 1 1	- P.Po.			14
MANAGER/ORGAN	Trisbie, AF	PD-700				National oment of	
		NS AND AGREEMENT NUMBERS	S:		Devere	pilierre or	FILO
a. NAFEC:			c. OTHER	:			
	NPD #07-33	15					
TSC-632	PPA #FA-63	35					
OBJECTIVE(S):							
		PLISHED IN THE FOLLOWING				of vario	
		be developed. Tes	st and evalua				
		formance capabilit: itial operational e				-	at actual
PRODUCT:	to gain in	itial operational o	experience wit	th user	partic	ipation.	
PRODUCT:	F THIS RESUME	itial operational o	experience wit	th user	partic	ipation.	
PRODUCT: THE PRODUCT OF implements	F THIS RESUME ation/procu	itial operational o	experience wit	th user	partic	ipation.	
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CURRENT NUMBER:	3. REVISION:	4	. START DATE:	
11 075-725-03				10/77
TITLE OF PROJECT:	MOG Very Good Small Ger			
MANAGER/ORGANIZATIO	ate TSC Low Cost Small Com		. REQUIREMENT:	
V. Bencivenga,				an for Developmen
PARTICIPATING ORGAN	IZATIONS AND AGREDMENT NUMBERS:		MLS	un tot bevezopmen
a. NAFEC: ANA-310		c. OTHER:	W 1	1.41
b. TSC:			Meyer Assoc	lation
OBJECTIVE(S):				
	ACCOMPLISHED IN THE FOLLOWING MA	MIER: LOW CO		
	AFEC. Field, flight, and	monitor test	s will be cork	auctea.
PRODUCT:	AFEC. Field, flight, and			MENDED TO SUPPORT
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PRODUCT: THE PRODUCT OF THIS ON OR ABOUT	RESUME, Technical Data R	Report	, is i	MERIODED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS ON OR ABOUT	RESUME, Technical Data R	Report	, is i	MENDED TO SUPPORT
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	Technology Resume	1. DATE OF RESUME: 10/1/78
CURRENT NUMBER:	3. REVISION:	4. START DATE:
II 075-725-04		11/1/78
MLS Avionics Sta	andards	
. MANAGER/ORGANIZATION		7. REQUIREMENT: National Plan for
Paul M. Rich, Al		Development of MLS.
a. NAFEC:	ZATIONS AND AGREGMENT NUMBERS:	c. OTHER:
ANA-300	Control of the Contro	
b. TSC:		
. OBJECTIVE(S):		
	DENTIFIED IN THIS RESUME IS INTEN performance standards for	DED TO: Provide data from which function MLS avionics will be established.
. APPROACH:		
preliminary star		ER: SRDS, with NAFEC support, will develop and real-time ATC simulations. Result
THE PRODUCT OF THIS F	MLS Avionics Stand	
THE PRODUCT OF THIS F	ard order for MLS avionics	ards, IS INTENDED TO SUPPORT LL BE DELIVERABLE TO _AAT . AFS and Industry
THE PRODUCT OF THIS F	ard order for MLS avionics	
THE PRODUCT OF THIS F Technical stands ON OR ABOUT7/8	ard order for MLS avionics	
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2.	CURRENT NUMBER	t:	3. REVISION:		4.	START DATE	:		
I	1 076-711-01								
5.	Aircraft A		ems Standardi	zation Stu	dies				
_	MANAGER/ORGANI		- Canada			REQUIREMEN	Tr.		
•	John F. Her		, ARD-733			AFS-1 lt		ARD-1	10/9/74
	PARTICIPATING		INS AND AGREEMENT	NUMBERS:					
	ANA-310	NPD #07-3	16		c. OTHER:				
	b. TSC:								
	OBJECTIVE(S):								andardizat
	of cockpit	alert/wa	arning and mor	nitoring s y:	stems.				
	APPROACH:								
	THIS EFFORT WI	IL BE ACCO	PLISHED IN THE F	OLLOWING MARINE	R: SRDS, wi	ith NAFEC	and	contrac	t support,
	MILL EAGING	ace candi	cace afercing	delines for	and publish	zation of	cock	pit ale	rt/warning
	tions/conc	lusions o	concerning gui	rderines 10	r standardiz			Street Section	I C, warning
	tions/conci	lusions o		idelines 10	r standardiz				1 c, war 11 1119
	tions/conc	lusions o		idelines 10	r standardiz				2 c/ #arr.
	tions/conc	lusions o		Idelines 10	r standardiz				ze, warming
2.	and monitor	lusions o ring syst	ems.		r standardiz				z c, warning
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	PRODUCT: THE PRODUCT OF New Aircra ON OR ABOUT MILESTONE SCHE DESCRIPTION 1	THIS RESULT 19/80 DULE: Award Cornelination of the control of th	Ems. Study Regulation Requirements atract on of candidate	irementand wo	oncepts - re	BLE TO _A	IS INT. 1 1 6 4	DATE 1/78 /79 /80	
	PRODUCT: THE PRODUCT OF New Aircra ON OR ABOUT MILESTONE SCHE DESCRIPTION 1	THIS RESULT 19/80 DULE: Award Cornelination of the control of th	ems. Study Regulation Requirements atract on of candidate on of candidate	irementand wo	oncepts - re	BLE TO _A	IS INT. 1 1 6 4	DATE 1/78 /79 /80	
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CURRENT NUMBER:	3. REVISION:		4. START DATE:
081-402-02			8/77
TITLE OF PROJECT:			
Approach Light A			
MANAGER/ORGANIZATION:			7. REQUIREMENT:
E. Schaeffer	ATIONS AND AGREEMENT NUMBERS		9550 No. AFS-200-77-4
a. NAFEC:	ATTORS AND AUTEMENT NUMBERS		R: NAFEC Lakehurst, N.J. FA77WAI-786
b. TSC:			
OBJECTIVE(S):			
			etermine the best vertical angle ne several types of approaches.
APPROACE:			
conduct a study		ng systems.	with contract support, will If deemed necessary, actual
PRODUCT: THE PRODUCT OF THIS F	RESUME, Technical data		, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS P		package	
THE PRODUCT OF THIS F revision of ALS : ON OR ABOUT _6/79	RESUME, Technical data	package	
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CURRENT NUMBER:	3. REVISION:	4.	START DATE:
TITLE OF PROJECT:			
	m a. / a		
MANAGER/ORGANIZATION:	ort Taxiway Guidance S		REQUIREMENT:
R. Kerr	ARD-432		9550 No. AAP-502-77-15
PARTICIPATING ORGANIZA . NAFEC:	ATIONS AND AGREEMENT NUMBERS	c. OTHER:	
b. TSC:			
OBJECTIVE(S):			
conduct a literat	CCOMPLISHED IN THE FOLLOWING ure search and review The most promising tec	previously tried	contract support, will techniques to identify investigated, developed,
	SSIME, Advisory Circula Cation of low speed exi		, is intended to support
THE PRODUCT OF THIS RE	cation of low speed	AND WILL BE DELIVERAS	
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THE PRODUCT OF THIS REIMPROVED IDENTIFY SCHEDULE: DESCRIPTION 1. Contract award 2. Report complete	eximation of low speed	AND WILL BE DELIVERAS	DATE 2/79 3/80

CURRENT NUMBER: 3. REVISION:	4. START DATE:
081-402-04	5/78
TITLE OF PROJECT:	
Use of Plastic Lenses in Airport Lighting	1
MANAGER/ORGANIZATION:	7. REQUIREMENT:
E. Schaeffer ARD-432	9550 No. AAP-550-78-1
PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: A. NAFEC:	c. OTHER:
o. TSC:	
OBJECTIVE(S):	
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INT plastic lenses for airport lights so as t material to glass.	
APPROACE:	
THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MAD prepared by Defense Documentation Center incorporated into a specification.	
improved method to specify plastic AND	WILL BE DELIVERABLE TO AAP
lenses f	
ON OR ABOUT 12/78	for airport lights.
ON OR ABOUT 12/78 lenses f	
DN OR ABOUT 12/78	
ON OR ABOUT 12/18 CILESTONE SCHEDULE:	for airport lights.
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MENT: No. AAP-550-78-2 he relative performance pproach slope indicator SI and Australian T-VAS: port, SRDS will acquire al site, for evaluation.
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_, IS INTENDED TO SUPPORT
DATE
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4/13
e I 5/80
Phase II 7/80

. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 081-431-03	3. 12.252011	
TITLE OF PROJECT:		1/77
Emergency Planning	Services at Airports	
. MANAGER/ORGANIZATION:		7. REQUIREMENT:
Herman D'Aulerio		9550 No. AAP-502-77-5
 PARTICIPATING ORGANIZATI NAFEC: 	ONS AND AGREEMENT NUMBERS:	. OTHER:
b. TSC:		
O. OBJECTIVE(S):		
support, will devel	lop emergency medical servi	SRDS, jointly with HEW and with contraction of the
support, will devel	ME, Final Report	ce plans and forward reports to AAP. , IS INTENDED TO SUPPORT BE DELIVERABLE TOAAP
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THE 19/15/16

CURRENT NUMBER: 3. REVISION:	4. START DATE:
TITLE OF PROJECT:	10/78
Control of Birds on and Near Airports	
MANAGER/ORGANIZATION:	7. REQUIREMENT:
Herman D'Aulerio ARD-420	9550 Nos. AAP-700-78-2,3,4
PARTICIPATING ORGANIZATIONS AND AGRESSMENT NUMBER a. NAFEC:	c. OTHER:
b. TSC:	
. OBJECTIVE(S):	The second secon
of controlling birds on or in the vici	inity of the airport.
. APPROACE:	
investigate use of chemicals, landscar	RG MARKER: SRDS, with contract support, will ping techniques, and improved "scare" technique
PRODUCT: THE PRODUCT OF THIS RESUME, Final Report	, is intended to support
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THE PRODUCT OF TRIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 7/81	
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Airport Advisory Circulars ON OR ABOUT 7/81 DESCRIPTION 1. Landscape techniques report 2. Scare device report	AND WILL BE DELIVERABLE TO AAP DATE 12/79 1/80

I	CURRENT NUMBER:	3. REVISION:		4. START DATE:
	082-420-02			6/74
	TITLE OF PROJECT:			
	New Pavement Des	ign Methodology		
•	MANAGER/ORGANIZATION:			7. REQUIREMENT:
	H. Tomita	ARD-431		Program Plan FAA-ED-08-2
	PARTICIPATING ORGANIZ NAFEC:	ATIONS AND AGREEMENT NUMBERS:		R: Army Corps of Engineers, Waterwent Station (WES) 1AA FA73WAI-377
1	b. TSC:			
	OBJECTIVE(S):			
	THE LEVEL OF EFFORT I	DENTIFIED IN THIS RESUME IS IN	rended to: 1	provide a design method for flexib
. !	APPROACH:			
	investigate diff		t design h	s, with contract support will based on layered elastic theory
.]	PRODU <i>GI</i> :			
	PRODUCT: THE PRODUCT OF THIS R	ESIME, Reports		, IS INTENDED TO SUPPORT
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CUR	RRENT NUMBER:	3. REVISION:	4. START	DATE:
	2-420-03		6/74	
	TLE OF PROJECT:			
	staining Engine	ering		
	NAGER/ORGANIZATION:		7. REQUI	
	King	TIONS AND AGREEMENT NUMBERS:	Ongo	oing 9550 requests
8.	NAFEC:	TIONS AND MIREMENT NUMBERS:	c. OTHER: Various	Government Contractors
ъ.	TSC:			
OBJ	ECTIVE(S):			
De	velopment Aid P	lems incurred during airpo rogram funds.	e construction	accomprished with Arrivor
		COMPLISHED IN THE FOLLOWING MARKET		ntract and interagency s to ADAP funded airport
CO		lems as requested.		o co nome ramed despess
PRO THE	nstruction prob	esume, Reports	LL BE DELIVERABLE TO	, is intended to support
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PROTEIN ADDORS	DUCT: PRODUCT OF THIS REPORT OF ABOUT AS YEQUIESTONE SCHEDULE: CRIPTION Representation APP-502-74-6	ested	LL BE DELIVERABLE TO	, IS INTENDED TO SUPPORT AAP DATE
PRODES 1.	DUCT: PRODUCT OF THIS REPORT OF ABOUT AS YEQUIREMENTS OR YEQUIREMENTS OR YEQUIREMENTS OR YEQUIRE	SIME, Reports AND WITH	LL BE DELIVERABLE TO nsive Soils sating Cement	DATE 6/80

CURRENT NUMBER:	3. REVISION:	4. START DATE:
082-420-04		6/74
TITLE OF PROJECT:		1 - 0/14
Nondestructive '	Testing (NDT)	
MANAGER/ORGANIZATION	II DOMENIA DE LA CONTRACTOR DE LA CONTRA	7. REQUIREMENT:
H. Tomita	ARD-431	Program Plan FAA-ED-08-2A (
PARTICIPATING ORGANI a. NAFEC:		HER: FAA-77-WA-3982 - U. of Perdue AA FA73-WAI-377 - WES
b. TSC:		
OBJECTIVE(S):		
	testing of airport pavement.	
APPROACE:		
THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS	, with contract and interagency
agreement suppor	ct, will investigate pavement T ar	nd E methods to determine those
least disruptive	/destructive	
least disruptive	e/destructive.	
least disruptive	e/destructive.	
least disruptive	e/destructive.	
	e/destructive.	
	e/destructive.	
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PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequency and action as	RESUME, Reports AND WILL BE DO Quency sweep NDT method of pavement and rehabilitation	DATE
PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequently and the second of the s	RESUME, Reports AND WILL BE D quency sweep NDT method of pavement and rehabilitation asfer functions (deflection basin	DATE 14/79
PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequently and the second of the s	RESUME, Reports AND WILL BE DO Quency sweep NDT method of pavement and rehabilitation	DATE
PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequently and the second of positions of the second of the se	quency sweep NDT method of pavement and rehabilitation asfer functions (deflection basin ondestructive testing)	DATE 4/79 5/79
PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequently and the second of position of the second of the se	quency sweep NDT method of pavement and rehabilitation asfer functions (deflection basin andestructive testing)	DATE 4/79 5/79
PRODUCT: THE PRODUCT OF THIS ADAP Construction ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Report, Frequently and the seven and the seven are the seven as a	quency sweep NDT method of pavement and rehabilitation asfer functions (deflection basin andestructive testing)	DATE 4/79 5/79
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	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	082-421-02		6/74
	TITLE OF PROJECT:	t Engineering Support	
	MANAGER/ORGANIZATION:	t Engineering Support	7. PROITERMENT
	Max H. Coggins	ARD-410	7. REQUIREMENT: Letter Request from AEM and AVP as issue
•	PARTICIPATING ORGANIZAT a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER:
	b. TSC:		
	OBJECTIVE(S):		
	THE LEVEL OF EFFORT IDE capacity and delay	ntified in this resume is inte	ENDED TO: provide an analysis of airport
	APPROACH:		
	THIS EFFORT WILL BE ACC	COMPLISHED IN THE FOLLOWING MAN	NNER: SRDS will collect required data on
•	applicable airport	operations and forecast	ts and use developed models to calculate
(capacity and delay	information required fo	or AVP and AEM evalauation studies.
•	capacity and delay	information required fo	or AVP and AEM evalauation studies.
(capacity and delay	information required fo	or AVP and AEM evalauation studies.
	capacity and delay	information required fo	or AVP and AEM evalauation studies.
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. CURRENT NUMBER:	3. REVISION:		4. START DATE:
I 082-421-03			1972
TITLE OF PROJECT:			example of each
	way Occupancy Time		
MANAGER/ORGANIZATION	N:		7. REQUIREMENT:
Max H. Coggins	ARD-410 IZATIONS AND AGREEMENT NUMBER		9550_AAP-560-072-2
e. NAFEC:	IZATIONS AND AGREEMENT NUMBER	c. OTHER	CHARLES IN DECRETARY SECTIONS CONTROL OF THE CONTRO
b. TSC:			1975
OBJECTIVE(S):			
THE LEVEL OF EFFORT occupancy time.		INTENDED TO: pro	ovide means of reducing runway
APPROACH:			
THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWIN	G MANNER: SRDS	will collect and analyze data to
actual testing.	ible plan. Out-of-age	ncy participa	tion will be obtained to assist
PRODUCT:			
THE PRODUCT OF THIS	RESUME,Final Report_		, IS INTENDED TO SUPPORT
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2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	082-421-04			1/78	
	TITLE OF PROJECT:				
		ort Inventory for Futu	re Requiremen	the same of the sa	
•	MANAGER/ORGANIZATION:			7. REQUIREMENT: ARD-1 Directed	d Study - Nov. 1977
	R. B. Ahlers	ARD-410 ATIONS AND AGREEMENT NUMBER	ng. 1		- octaly move 2577
•	a. NAFEC:	ATTOO NO ASSESSED NO BELL	c. OTHE	R:	
	b. TSC:				
	OBJECTIVE(S):				
	or procedure for	DENTIFIED IN THIS RESUME IS assessing the adequace of airports basis.	NTENDED TO: de	evelop, if feasils s on both an airp	ble, a technique port-by-airport
	APPROACE:				
	THIS EFFORT WILL BE A	concerning the variou	G MARKER: SRDS	with contract su	upport, will collected
		concerning one various	o ractors cin	ac impact the add	equacy or arrivores.
	PRODUCA:			1	
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	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's	airport system adequa	acy		
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI	Report on Adequacy of future requirements	E Airport	IVERABLE TO ARD-I	DATE 12/78
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
	THE PRODUCT OF THIS R ARD-1 Studies of ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Contractor's Inventory for 2. Report on SRI art on airpor	Report on Adequacy of future requirements OS review and evaluation planning Finition (based on con	E Airport	ARD-J	DATE 12/78 6/79
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2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	-
	I 082-421-05			2/78	ray.
_	TITLE OF PROJECT:				
		trol - Physical Barrie	rs and Sup		
5.	MANAGER/ORGANIZATION:			7. REQUIREMENT: 9550 Nos. AAP-50 and AAP-502-77-4)2-7
_	R. B. Ahlers	ARD-410 TONS AND AGREEMENT NUMBERS:		and AAF-302-77-4	
	a. NAFEC:	TOTAL ANTIBELLE STOPPEN.	c. OTHE	R: David Braslau and Assoc.	
	b. TSC:				
	OBJECTIVE(S):				
	efficiency of exist barriers	sting and proposed noi	se suppres	sion devices and physical	
	APPROACH:				
	review published	and unpublished report	s and memo	randa belonging to designers,	
	users and owners o	of noise barriers and			
	PRODUCT:	of noise barriers and		S.	
2.		of noise barriers and			
	PRODUCT: THE PRODUCT OF THIS RES	of noise barriers and	suppressor	, is intended to support	
•	PRODUCT: THE PRODUCT OF THIS RES	of noise barriers and	suppressor	, is intended to support	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Cont ON OR ABOUT 10/78	of noise barriers and	suppressor	, is intended to support	
	PRODUCT: THE PRODUCT OF THIS RES AIRDORT Noise Cont ON OR ABOUT 10/78 MILESTONE SCHEDULE:	of noise barriers and	suppressor	, IS INTENDED TO SUPPORT	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or about 10/78 MILESTONE SCHEDULE: DESCRIPTION	of noise barriers and	Suppressor.	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE	
2.	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or about 10/78 MILESTONE SCHEDULE: DESCRIPTION	of noise barriers and	Suppressor.	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE	一
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	1. 物质以外经物、
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contr	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	
	PRODUCT: THE PRODUCT OF THIS RES Airport Noise Conson on or ABOUT 10/78 MILESTONE SCHEDULE: DESCRIPTION 1. Report on contract.	rolling airport noise rolling airport noise	with physc	, IS INTENDED TO SUPPORT LIVERABLE TO AAP DATE ial barriers 10/78 d-based	

THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED To: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PRODUCT: THE PRODUCT OF THIS RESUME, _Interim Report	
RUNWAY Surface Traction (Portland Cement Concrete) MANAGER/ORGANIZATION: Herman D'Aulerio ARD-420 7. REQUIREMENT: 9550 #AAP-580-72-1 PARTICITATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NATEC: ANA-430 NPD #08-459 c. OTHER: FA74WAI-423 Naval Air Engineering Command Lakehurst, N.J. D. TSC: CRIECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTERDED TO: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACE: THIS REFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PROPUCT: THE PRODUCT OF THIS RESUME, Interim Report Airbort Advisory Circulars ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION DATE 1. Test groove effect on Aircraft tires	72
MANAGER/ORGANIZATION: Herman D'Aulerio ARD-420 PARTICIPATING ORGANIZATIONS AND AGREGMENT NUMBERS: A. NAFEC: ANA-430 NPD #08-459 c. OTHER: FA74WAI-423 Naval Air Engineering Command Lakehurst, N.J. b. TSC: CENECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTERDED TO: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACH: THIS EFFORT WILL BE ACCOMPLISEED IN THE FOLLOWING MANNER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PRODUCT: THE PRODUCT OF THIS RESIME, Interim Report Airport Advisory Circulars AND WILL BE DELIVERABLE TO AAP ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION DATE 1. Test-groove effect on Aircraft tires 10/78	
Herman D'Aulerio ARD-420 FARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. HAFEC: ANA-430 NPD #08-459 b. TEC: CRJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTENDED TO: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. AFFROACE: THIS REFORM WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. FRODUCT: THE PRODUCT OF THIS RESUME, Interim Report. Airport Advisory Circulars ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION DATE 1. Test-groove effect on Aircraft tires	
PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NATE: ANA-430 NPD #08-459 Engineering Command Lakehurst, N.J. b. TSC: CBJECTIVE(s): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTENDED TO: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. FRODUCT: THE PRODUCT OF THIS RESUME, Interim Report Airport Advisory Circulars AND WILL BE DELIVERABLE TO AAP ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Test groove effect on Aircraft tires 10/78	•
a. MATEC: ANA-430 NPD #08-459 Engineering Command Lakehurst, N.J. b. TSC: CEJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTENDED TO; develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PRODUCT: THE PRODUCT OF THIS RESUME, Interim Report	70 #AAP-360-72-1
CEJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INVENDED TO: develop Portland Cement Concrete runway effective; develop cost-effective methods of installing grooves in existing and new runways, and investigator other runway materials for cost-effectiveness. APPROACE: THIS EFFORT WILL BE ACCOMPLISED IN THE FOLLOWING MARKER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PRODUCT: THE PRODUCT OF THIS RESUME,Interim Report, IS INTERDED TO SUPPORT Airport Advisory Circulars AND WILL BE DELIVERABLE TO AAP MILESTONE SCHEDULE: DESCRIPTION	
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THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, with NAFEC and Interagency support, will develop test plan, monitor testing and prepare reports. PRODUCT: THE PRODUCT OF THIS RESUME, _Interim Report, IS INTENDED TO SUPPORT Airport Advisory Circulars AND WILL BE DELIVERABLE TO _AAP ON OR ABOUT _12/78 MILESTONE SCHEDULE: DESCRIPTION	for cost-effectiveness.
THE PRODUCT OF THIS RESUME, _Interim Report	NAFEC and Interagency
1. Test groove effect on Aircraft tires 10/78	TO AAP
1. Test groove effect on Aircraft tires 10/78	TO AAP
	3 TO AAP
2. Interim Report to AAP 12/78	an annu annu an Araba (1830) an Alban Barra (1830)
	DAVE
	DATE. 10/78
POOTNOTES:	

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	CURRENT NUMBER: 3. REVISION:		4. START DATE:
	082-431-02 TITLE OF PROJECT:		10/77
	Runway Surface Traction (Bituminous, PFC	and PG)	entry and little service.
	MANAGER/ORGANIZATION: Herman D'Aulerio ARD-420		7. REQUIREMENT: 9550 #AAP-502-76-4
•	PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: ANA-400	c. OTHER	FA74WAI-423 Naval Air Enginee ing Center - Lakehurst, N.J.
	b. TSC:		318 864
	OBJECTIVE(S):		
	support, will develop test plan, and tes promising surfaces may be selected for t		
	promising surfaces may be selected for t	cest and eva	luation.
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Repor	cest and eva	
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Repor	cest and eva	luation.
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Advisory Circulars	cest and eva	luation.
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars AN ON OR ABOUT 3/80	cest and eva	luation.
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE:	cest and eva	LUATION. , IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars AND MILESTONE SCHEDULE: DRSCRIPTION	D WILL BE DELIV	PATE 2 5/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars AND MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface	TO WILL BE DELIV	DATE e 5/79 mance 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface 2. Interim Report on Plastic Groove Sur	TO WILL BE DELIV	DATE e 5/79 mance 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface 2. Interim Report on Plastic Groove Sur	TO WILL BE DELIV	DATE e 5/79 mance 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface 2. Interim Report on Plastic Groove Sur	TO WILL BE DELIV	PATE a 5/79 mance 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface 2. Interim Report on Plastic Groove Sur	TO WILL BE DELIV	PATE a 5/79 mance 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME, Final Report Airport Advisory Circulars ON OR ABOUT 3/80 MILESTONE SCHEDULE: DESCRIPTION 1. Interim Report on Bituminous Surface 2. Interim Report on Plastic Groove Sur	TO WILL BE DELIV	PATE a 5/79 mance 8/79

CONTRACTOR MANAGEMENT

H. G. Tinsley ARD-480 F	7/72
Vortex Advisory System MANAGER/ORGANIZATION: 7. R H. G. Tinslev ARD-480 F	
MANAGER/ORGANIZATION: 7. R H. G. Tinslev ARD-480 F	
H. G. Tinsley ARD-480 F	
n. G. Tillstey	REQUIREMENT: FAA-ED-21-1A
PARTICIPATING ORGANIZATIONS AND AGREGATIVE NUMBERS.	
a. NAFEC: c. OTHER: DOT	r-TSC-117-IIT Institute
NPD No. 08-469	
DCT-TSC-1	1135 Arthur D. Little Co.
OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: develop	
THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, with test and evaluate an operational VAS, prepare report on and forward a Technical Data Package.	results, publish handbook,
and forward a fecilifical back fackage.	
	-
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pac Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78	-
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pac Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78	-
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pactor Advisory System ON OR ABOUT 12/78 MILESTONE SCHEDULE:	AAF TO AAF
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THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pace Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Evaluate Operational	DATE 10/78
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Page Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Evaluate Operational 2. Final Report VAS Testing	DATE 10/78 10/78
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Page Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Evaluate Operational 2. Final Report VAS Testing	DATE 10/78 10/78
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pace Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Evaluate Operational 2. Final Report VAS Testing	DATE 10/78 10/78
PRODUCT: THE PRODUCT OF THIS RESUME, Operational VAS and Tech. Data Pactional Vortex Advisory System AND WILL BE DELIVERABLE ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Evaluate Operational 2. Final Report VAS Testing	DATE 10/78 10/78

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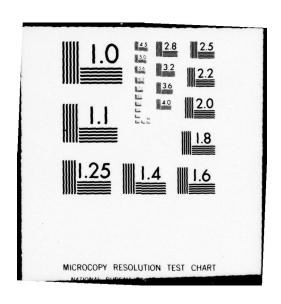
-	CONTRACTOR OF THE PARTY OF THE	3. REVISION:	1	START DATE:
	CURRENT NUMBER:	3. REVISION:		
	084-451-03 TITLE OF PROJECT:			7/72
	Wake Vortex Avoida	nce System		
	MANAGER/ORGANIZATION:		7.	REQUIREMENT:
	H. G. Tinsley	ARD-480 TIONS AND AGREEMENT NUMBERS:		FAA-ED-21-1A/FAA-EM-75-5
•	a. NAFEC:	TORS AND AUTEMENT NUMBERS:	e. OTHER: DO	OT-TSC-1088 Lockhead C-1151 Grumman Aircraft
	b. TSC: TSC-412 PPA	#FA 705	DOT-TS	C-1152 ITT Research Institute
	OBJECTIVE(S):			
•	will design a sys	tem that will predict and ort strength and decay;	d track the	ch TSC and contract support, presence of wake vortices; hazard; and command required
2.	PRODUCT:			
	Wake Vortex Avoi	dance System AND		ABLE TO AAT AAF
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE:			ABLE TO AAT AAF
	THE PRODUCT OF THIS RESEARCH WAKE VOITEX AVOID ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION	dance System AND		ABLE TO AAT AAF DATE
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE:	dance System AND		ABLE TO AAT AAF
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION 1. System design	dance System AND		ABLE TO AAT AAF DATE
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION 1. System design 2. Design Specifi	dance System AND	WILL BE DELIVER	DATE 12/83
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION 1. System design 2. Design Specifi	complete cations finalized	WILL BE DELIVER	DATE 12/83 12/83
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION 1. System design 2. Design Specifi	complete cations finalized	WILL BE DELIVER	DATE 12/83 12/83
	Wake Vortex Avoi ON OR ABOUT 12/83 MILESTONE SCHEDULE: DESCRIPTION 1. System design 2. Design Specifi	complete cations finalized	WILL BE DELIVER	DATE 12/83 12/83

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FEDERAL AVIATION ADMINISTRATION WASHINGTON D C SYSTE-ETC F/6 1/5 SRDS TECHNICAL PROGRAM DOCUMENT. FISCAL YEAR 1979. RESEARCH AND-ETC(U) JAN 79 AD-A065 461 UNCLASSIFIED FAA/RD-79-2 NL 20F 3 AD A 065461



2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:	
	111-102-01			10/75
5.	TITLE OF PROJECT:			
6	Central Flow Conti	rol Automation	7. REQUIREMENT:	22m 1044 10/04/91
٠.	Tom Hannan, ARD-10	02		AAT letter 12/24/75 of ATC SCC Automatic
9.		ATTOMS AND AGREEMENT NUMBERS:	Requirements"	
	ARD-140		c. OTHER:	2055 000
	b. TSC:		DOT FA77 WA-	-3955 CSC
٥.	OBJECTIVE(S):			
	integration for Ce at Jacksonville AM	DENTIFIED IN THIS RESUME IS INTE entral Flow Control Autom RTCC.	MOED TO: develop software ation using the IBM 9020	and system A Computer located
1.	APPROACH:			
	THIS EFFORT WILL BE ACCONTRACT SUPPORT,	COMPLISHED IN THE FOLLOWING MAN will purchase and instal	1 ancillary computer har	dware. Software
2.	will be developed, PRODUCT:	, integrated and tested o	n the 9020A at Jacksonvi	IIe.
2.	PRODUCT: THE PRODUCT OF THIS RE	SUME, Central Flow Contr		intended to support
	PRODUCT: THE PRODUCT OF THIS REAIT Traffic Contro	SUME, Central Flow Contr	ol Operational System is	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REAIT Traffic Contro Center ON OR ABOUT12/78	SUME, Central Flow Contr	ol Operational System is	INTERDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REAL AIR TRAFFIC CONTROLOGOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	SIME, Central Flow Control Systems Command AND	ol Operational System is	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REAL AIR TRAFFIC CONTROLOGOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	SUME, Central Flow Contr	ol Operational System is	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REAL TRAFFIC CONTROL CENTER ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Software	SIME, Central Flow Control Systems Command AND	ol Operational System is	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REAL TRAFFIC CONTROL CENTER ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Software 2. Document	Central Flow Control Systems Command AND	ol Operational System is	DATE 10/78
	PRODUCT: THE PRODUCT OF THIS REAL TRAFFIC CONTROL CENTER ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Software 2. Document	ESUME, Central Flow Control Systems Command AND e system complete cation complete	ol Operational System is	DATE 10/78 12/78
	PRODUCT: THE PRODUCT OF THIS REAL TRAFFIC CONTROL CENTER ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Software 2. Document	ESUME, Central Flow Control Systems Command AND e system complete cation complete	ol Operational System is	DATE 10/78 12/78
	PRODUCT: THE PRODUCT OF THIS REAL TRAFFIC CONTROL CENTER ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Software 2. Document	ESUME, Central Flow Control Systems Command AND e system complete cation complete	ol Operational System is	DATE 10/78 12/78
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	CURRENT NUMBER:	3. REVISION:	4.	START DATE:	
I	122-109-01			7	7/75
	TITLE OF PROJECT:				
	Computer Software	Development Support			
	MANAGER/ORGANIZATION:	1	7.		
	Michael Deliman	ARD-112		FAA-ED-12-2	B (draft)
	a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER:	Computer Scien	ces Corp.
	b. TSC:				
	OBJECTIVE(S):		1		
	at NAFEC, includir	DEWTIFIED IN THIS RESUME IS INTER any direct day-to-day technology technology technology technology to be accomplished by support controls and the support of the support	nical manage	age the enrout ement of softwa	e software suppor are development
	APPROACH:				
	will perform techn	COMPLISHED IN THE FOLLOWING MANU- nical evaluations of softw	ware designs	and make annu	ronviata chances
	support will be pr	covided to the technical m	manager of t	the enroute sof	ftware contractor
	support will be pr	covided to the technical m	manager of t	the enroute sof	ftware contractor
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	PRODUCT:	covided to the technical m	manager of t	he enroute soi	ftware contractor
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	PRODUCT: THE PRODUCT OF THIS REEN ROUTE Automatio	STAME, Studies/Software	manager of t	, IS IN	ftware contractor
•	PRODUCT: THE PRODUCT OF THIS RE	STAME, Studies/Software	manager of t	, IS IN	ftware contractor
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	PRODUCT: THE PRODUCT OF THIS REEN ROUTE Automation ON OR ABOUTContin	STAME, Studies/Software	manager of t	, IS IN	ftware contractor
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE Automatio ON OR ABOUT Contin	STAME, Studies/Software	manager of t	, IS IN	TENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE Automatio ON OR ABOUT Contin MILESTONE SCHEDULE: DESCRIPTION 1. Delivery of 36	Studies/Software System AND to	manager of t	, IS IN	TENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE Automation ON OR ABOUT Continum MILESTONE SCHEDULE: DESCRIPTION 1. Delivery of 36 2. Delivery of 36	Studies/Software System AND to uous d2.7 program to CSC d2.8 program to CSC	WILL BE DELIVE	, IS IM	TENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software Studies/Software AND to do System AND to do System to CSC do System to CSC do System to CSC do System to CSC ute software manpower fac	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78
? .	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software System AND to uous d2.7 program to CSC d2.8 program to CSC	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78 8/79
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software Studies/Software AND to do System AND to do System to CSC do System to CSC do System to CSC do System to CSC ute software manpower fac	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78 8/79
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software Studies/Software AND to do System AND to do System to CSC do System to CSC do System to CSC do System to CSC ute software manpower fac	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78 8/79
	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software Studies/Software AND to do System AND to do System to CSC do System to CSC do System to CSC do System to CSC ute software manpower fac	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78 8/79
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	PRODUCT: THE PRODUCT OF THIS REEN ROUTE AUTOMATION ON OR ABOUT	Studies/Software Studies/Software AND to do System AND to do System to CSC do System to CSC do System to CSC do System to CSC ute software manpower fac	will be Deliver	, IS IM	TENDED TO SUPPORT DATE 12/78 8/79

,	CURRENT NUMBER:	3. REVISION:	4. START DATE:
		J. REVISION:	7/1/74
	122-109-02 TITLE OF PROJECT:		1/1/14
		ailita (CCR)	
-	System Support Fa MANAGER/ORGANIZATION:	cility (SSF)	7. REQUIREMENT:
	Michael Deliman	ARD-112	(draft) FAA-ED-12-2B (2/79
	PARTICIPATING ORGANIZA a. NAFEC: ANA-700 NPD #RD		OTHER:
	b. TSC:		
	OBJECTIVE(S):		
	Control system tes system hardware as	st bed that is in step with 1 and software areas.	MO: provide an adequate Air Traffic atest development projects in both
	APPROACH:		
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING MANNER:	SRDS, with NAFEC support, will
•	PRODUCT: THE PRODUCT OF THIS RI		ment in hardware/software occur.
	PRODUCT: THE PRODUCT OF THIS RIEN COULT SYSTEM do	sume, support	ment in hardware/software occur.
	PRODUCT: THE PRODUCT OF THIS RE	sume, support	ment in hardware/software occur.
	PRODUCT: THE PRODUCT OF THIS RI En Route system de	sume, support	ment in hardware/software occur.
	PRODUCT: THE PRODUCT OF THIS RIED ROUTE SYSTEM OF ON OR ABOUT CONTINUMILESTONE SCHEDULE: DESCRIPTION	sume, support evelopment AND WILL 1 dous oute Tabular Display/SSF	ment in hardware/software occur.
	PRODUCT: THE PRODUCT OF THIS RIED ROUTE SYSTEM do ON OR ABOUT CONTINU MILESTONE SCHEDULE: DESCRIPTION 1. Complete Enro	evelopment AND WILL 1 dous oute Tabular Display/SSF tion plan crete Address Beacon System/	
	PRODUCT: THE PRODUCT OF THIS RIED ROUTE SYSTEM do ON OR ABOUT CONTINU MILESTONE SCHEDULE: DESCRIPTION 1. Complete Enro Site preparat 2. Complete Disc	evelopment AND WILL 1 dous oute Tabular Display/SSF tion plan crete Address Beacon System/	, IS INTENDED TO SUPPORT SE DELIVERABLE TOSRDS DATE 11/78
	PRODUCT: THE PRODUCT OF THIS RIED ROUTE SYSTEM do ON OR ABOUT CONTINU MILESTONE SCHEDULE: DESCRIPTION 1. Complete Enro Site preparat 2. Complete Disc	evelopment AND WILL 1 dous oute Tabular Display/SSF tion plan crete Address Beacon System/	, IS INTENDED TO SUPPORT SE DELIVERABLE TOSRDS DATE 11/78

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I 122-110-01 TITLE OF PROJECT: Program Planning and System Engineering MANAGER/ORGANIZATION: Lauren Douglas ARD-111 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC:	7. REQUIREMENT:
Program Planning and System Engineering MANAGER/ORGANIZATION: Lauren Douglas ARD-111 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	7. REQUIREMENT:
MANAGER/ORGANIZATION: Lauren Douglas ARD-111 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	7. REQUIREMENT:
Lauren Douglas ARD-111 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	7. REQUIREMENT:
PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	
	FAA-ED-12-2B (draft)
	c. OTHER: MITRE METREK DOT FA79WA-4184
b. TSC:	
OBJECTIVE(S):	
advanced automation capabilities for EnRoute new interface requirements resulting from or capacity requirements, and insure that syste with EnRoute system. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNE	ther E&D programs, assess and define futur em developments result in design consister
analyze systems and subsystems, perform conceperform test and evaluate designs and docume	cept studies, prepare design definitions, ent results.
PRODUCT:	
THE PRODUCT OF THIS RESIDE, Studies/Specification	ons/Reports , IS INTENDED TO SUPPORT
EnRoute Control Program AND WI	ILL BE DELIVERABLE TOSRDS
ON OR ABOUT as required	
MILESTONE SCHEDULE:	
Representative Milestones	DATE
1. Conflict Alert Enhancements	3/79
2. Flight Plan Probe	9/79
3. EnRoute Metering	12/79
4. ATARS System Interface	1/80

2.	CURRENT NUMBER:	3. REVISION:	4.	START DATE:	
I	122-111-01				9/73
	TITLE OF PROJECT:				2//3
	Surveillance Syste	em Improvements			
	MANAGER/ORGANIZATION:		7.	REQUIREMENT:	
	James Shannon	ARD-111		FAA-ED-12-2R	(draft)
		TIONS AND AGREEMENT NUMBERS:		188-10-12-28	- (drare)
	a. NAFEC: ARD-140 ANA-200	NDD #12 125	c. OTHER:		
_		NPD #12-125	FA76WA-3	815 CSC (CPFF)
	b. TSC:				
	OBJECTIVE(S):				
	responsive to airc Target Detector eq	raft twin maneuvers thro uipment.	ough the use o	f range rate (data from Moving
	METE PEROPE LITTE DE AC	COURT TOURN THE METE BATTAUTHE MAN	TER. CDDC	th NAFEC and	contractor suppo
	will use MTD data prepare simulation	for turn detection model test tapes; run full so Report and/or TDP.	ing; perform	field tests fo d evaluate re	or test tapes;
2.	will use MTD data prepare simulation incorporation into PRODUCT: THE PRODUCT OF THIS RE	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports	ing; perform	d evaluate re	or test tapes;
2.	will use MTD data prepare simulation incorporation into FRODUCT: THE PRODUCT OF THIS RE- Improvements to En	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation AND	ing; perform	d evaluate re	or test tapes; sults for
	PRODUCT: THE PRODUCT OF THIS REIMprovements to En	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports	ing; perform	d evaluate re	or test tapes; sults for
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	PRODUCT: THE PRODUCT OF THIS REIMprovements to En	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation AND	ing; perform	d evaluate re	or test tapes; sults for
	WILLESTONE SCREDULE:	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation AND y Related Functions	ing; perform cale tests; an	d evaluate re	or test tapes; sults for RNDED TO SUPPORT /AAF
	PRODUCT: THE PRODUCT OF THIS REIMPROVEMENTS to En ON OR ABOUT 8/79 & 1 MILESTONE SCHEDULE: DESCRIPTION 1. Coding of mod	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation y Related Functions 0/80 s to enroute software co	ing; perform cale tests; an	d evaluate re	or test tapes; sults for RNDED TO SUPPORT /AAF
	WILLESTONE SCREDULE:	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation y Related Functions O/80 s to enroute software co Completed	ing; perform cale tests; an	d evaluate re	or test tapes; sults for RNDED TO SUPPORT /AAF
	PRODUCT: THE PRODUCT OF THIS REIMPROVEMENTS to En ON OR ABOUT 8/79 & 1 MILESTONE SCHEDULE: DESCRIPTION 1. Coding of mod 2. System Tests	for turn detection model test tapes; run full so Report and/or TDP. TDP/Reports Route Automation y Related Functions O/80 s to enroute software co Completed	ing; perform cale tests; an	d evaluate re	or test tapes; sults for RNDED TO SUPPORT /AAF 11/79 4/80

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2. CURRE	NT NUMBER:	3. REVISION:		4. START DATE:
I 122-	-111-06			7/75
. TITLE	OF PROJECT:			Administration and the second second second
		(CRT) Improvements		
. MANAG	ER/ORGANIZATION:			7. REQUIREMENT: FAA-ED-12B
	Edgbert	ARD-113		9550s: AAT-100-34; AAF-77-5 & 6
ANA-	AFEC:	TIONS AND AGREEMENT NUMBERS: SE-190		TR: Video Products Co. DOTFAA-77AC- on DOT-FA-76-3029
b. T	SC:			
. OBJECT	TIVE(S):			
		performance for EnRoute		develop safer, antireflective
. APPRO	ACE:			
quali	ty design, an	d amend Spec. #FAA-E-2537	/A.	
PRODU	T :			
PRODU	<u>ct</u> : roduct of this re	SUME, Revised Specificat:	íon	, is invended to support
THE P	RODUCT OF THIS RE	SUME, Revised Specificat:	ion	
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En Ro	RODUCT OF THIS REDUCE Planned V	iew Displays AND	ion WILL BE DE	
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THE PIEN ROOM OR	RODUCT OF THIS REDUCE Planned V ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test	778 AND	WIIL BE DE	DATE 11/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	RODUCT OF THIS REDUCE Planned V ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78
THE PIEN ROOM OR	ABOUT 11/ TONE SCHEDULE: IPTION CRT Life Test Final Report	78 Letter Reports - Safe, Antireflective CF	WIIL BE DE	DATE 11/78 12/78

CURRENT NUMBER: 3. REVISION: I 122-111-08	4. START DATE:
. TITLE OF PROJECT:	10/1/78
	20/2/10
En Route Tracking Improvement Pac	rkage (F-TTP)
. MANAGER/ORGANIZATION:	7. REQUIREMENT:
Preston Martin AR	RD-112 FAA-ED-12-2B (draft)
. PARTICIPATING ORGANIZATIONS AND AGRESMENT N	MUBERS:
a. MAFEC: ARD-140	c. OTHER: DOT-FA76WA-3815 Computer
b. TSC:	Sciences Corp. (CPFF)
5. 15C:	
. OBJECTIVE(S):	
for the en route National Airspac APPROACE:	als energy of the State at the party of the state of the
THIS EFFORT WILL BE ACCOMPLISHED IN THE FOL	LIOWING MARKER: SRDS, with contract support, will con
and test the Tracking Improvement	: Package, and evaluate it against a current version
of the NAS to provide basis for a	appraisal of E-TIPS value to NAS.
. PRODUCT:	
THE PRODUCT OF THIS RESUME,	TDP , IS INTENDED TO SUPPORT
	TDP, IS INTENDED TO SUPPORTAND WILL BE DELIVERABLE TOAAT
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Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79
Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79 3/80
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Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79 3/80
Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79 3/80
Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79 3/80
Improved NAS Stage A Software ON OR ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Coding and testing complete 2. Test site report complete	AND WILL BE DELIVERABLE TO AAT DATE 9/79 3/80

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	RENT NUMBER:	3. REVISION:		4. START DATE:	
	-112-01 LE OF PROJECT:			4/75	_
		7-1			
	flict Alert Er			7. REQUIREMENT:	-
J. 1	P. Dugan	ARD-112		FAA-ED-12-2B (dr	aft
		ATTONS AND AGREEMENT NUMBERS:			
	NAFEC: ARD-14 ANA-110	10 NPD #12-126	c. OTH	DOT FA/6WA-3815	
	TSC:	NFD #12-126	Cor	mouter Sciences Corp (CPFF)	-
	•••				
о. ОВЛЕ	CTIVE(S):			Sales Sales	
int	ruding on a co	ontrolled aircraft, to im	mprove the	rcraft, equipped with Mode C, is Conflict Alert Subprogram.	
anal	lyze tracking	data; develop, test and	modify so	5, with contract support, will oftware as required; and provide	
Prog	operating ser	rvices with a test NAS Ch al Spec for flight testin	nange Prop	posal and accompanying Computer	
Prog	operating ser gram Functiona	vices with a test NAS Ch	nange Prop	posal and accompanying Computer	
Proc	operating ser gram Functiona DUCT: PRODUCT OF THIS R	Test NCP with CPF	hange Prop	oosal and accompanying Computer	
Proc	operating ser gram Functiona DUCT: PRODUCT OF THIS R	Test NCP with CPF	hange Prop	oosal and accompanying Computer	
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Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF	
Proceeds on the process of the proce	OPERATING SET OF THIS R TANK ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software acce	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79	
Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	
Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	
Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	
Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	
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Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	
Proceeds on the process of the proce	OPERATING SET OF THIS REPORT OF ABOUT 3/79 & STORE SCHEDULE: CRIPTION ATC operation Software access	Test NCP with CPF ration Automation Sys.AND al performance test Comp	nange Prop ng. 'S	, IS INTENDED TO SUPPORT AAT/AAF DATE 3/79 6/80	

2.	CURRENT NUMBER: 3. REVISION:		4. START DATE:
	122-112-02		A second to the second
-	TITLE OF PROJECT:		10/76
	Conflict Resolution Advisory		udes 3 (as 27 - 30) (3)
	MANAGER/ORGANIZATION:		7. REQUIREMENT:
	Preston Martin ARD-112		FAA-ED-12-2B (draft
	PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	c. OTH	
	ANA-170 NPD #12-126		mputer Sciences Corp (CPFF)
	b. TSC:		process cosp (cris)
	OBJECTIVE(S):		
	THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTE	EWED TO:	provide computer assistance in
	resorving potential conflicts when loss of	I radar	separation minima is about to occur
•	APPROACE:		
	THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING WAN	MER: SRI	DS, with contract support, will mak
	use of flight plan data and tracking info	rmation	to present a suggested resolution t
	avoid the potential conflict without crea-	rmation	to present a suggested resolution t
	use of flight plan data and tracking info avoid the potential conflict without crea coded, tested and results evaluated.	rmation	to present a suggested resolution t
	avoid the potential conflict without crea-	rmation	to present a suggested resolution t
	avoid the potential conflict without crea-	rmation	to present a suggested resolution t
	avoid the potential conflict without creacoded, tested and results evaluated.	rmation	to present a suggested resolution t
	avoid the potential conflict without crea coded, tested and results evaluated. PRODUCT:	rmation	to present a suggested resolution t ther. The algorithms will be
	avoid the potential conflict without crea coded, tested and results evaluated. PRODUCT: THE PRODUCT OF THIS RESURE,	rmation	to present a suggested resolution t
	PRODUCT: The Product of this result,	rmation ting ano	to present a suggested resolution t ther. The algorithms will be
	PRODUCT: The Product of this result,	rmation ting ano	to present a suggested resolution t ther. The algorithms will be
	PRODUCT: THE PRODUCT OF THIS RESUME, En Route software development AND	rmation ting ano	to present a suggested resolution t ther. The algorithms will be
	PRODUCT: THE PRODUCT OF THIS RESUME, En Route software development ON OR ABOUT 6/80 MILESTONE SCHEDULE:	rmation ting ano	to present a suggested resolution t ther. The algorithms will be
	PRODUCT: THE PRODUCT OF THIS RESUME, En Route software development ON OR ABOUT 6/80	rmation ting ano	to present a suggested resolution t ther. The algorithms will be
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	PRODUCT: THE PRODUCT OF THIS RESURE, En Route software development ON OR ABOUT ON OR ABOUT 1. Design evaluation testing complete 2. Quality assurance test spec. complete	will be de	to present a suggested resolution ther. The algorithms will be
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T 122-112-03 TITLE OF PROJECT:	4. START DATE:
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TITUE OF THOUGHT.	
Flight Plan Probe	
MANAGER/ORGANIZATION:	7. REQUIREMENT:
Preston Martin ARD-112	FAA-ED-12-2B (draft)
PARTICIPATING ORGANIZATIONS AND AGRESMENT NUMBERS: a. NAFEC: ARD-140	c. OTHER: DOT-FA76WA-3815
ANA-170 NPD #12-126	Computer Sciences Corp (CPFF)
b. TSC:	
OBJECTIVE(S):	
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INT	TODED TO: provide computer assistance in
THIS EFFORT WILL BE ACCOMPLISHED IN THE POLLOWING MA project an aircraft's intended path and of tion for other aircraft that may represer will be coded and tested.	compare it against updated flight infor
PRODUCT:	
THE PRODUCT OF THIS RESUME, Operational Test F	Report , IS INTERDED TO SUPPORT
EnRoute software development AND	WILL BE DELIVERABLE TOAAF/AAT
7 (70	
ON OR ABOUT	
NILESTONE SCHEDULE:	SCHOOL SCHOOL
	DATE
MILESTONE SCHEDULE: DESCRIPTION	
NILESTONE SCHEDULE:	12/78
DESCRIPTION 1. FAA acceptance testing complete	12/78
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2.	CURRENT NUMBER: 3.	REVISION:		4. START DATE:	
	I 122-112-04				7/1/75
5.	TITLE OF PROJECT:				
	En Route Minimum Safe	Altitude Warning (F	-MSAW)		
	MANAGER/ORGANIZATION:	microsc named in	T	7. REQUIREMENT: FAM	A-FD-12-2B
	James Dugan	ARD-110		9550 #AAT-300-23	(draft)
٠.	PARTICIPATING OPGANIZATIONS		T		
	a. NAFEC: ARD-140		c. OTHER	DOT THIOMA SOL	
_		NPD #12-126	Com	outer Sciences Con	cp (CPFF)
	b. TSC:				
).	OBJECTIVE(S):				
	the E-MSAW function for schedule.	or key site testing,	and suppo	ort the national i	implementation
•	APPROACH:				
	THIS EFFORT WILL BE ACCOMPLE	SHED IN THE FOLLOWING MAN	NER: SRDS	with NAFEC and o	contract support
	will define and develo	op terrain requireme	nts to sup	port E-MSAW, cont	roller interfac
	with E-MSAW, and reduc	ction of faise alert	rate.		
	with E-MSAW, and reduc	ction of false alert	rate.		
	with E-MSAW, and reduc	ction of false afert	rate.		
		ction of false afert	rate.		
	PRODUCT:				42500
	PRODUCT: THE PRODUCT OF THIS RESUME,	Operational Sof	tware		NDED TO SUPPORT
2.	PRODUCT: THE PRODUCT OF THIS RESUME, National implementation	Operational Sof	tware		NDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUME,	Operational Sof	tware		
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	PRODUCT: THE PRODUCT OF THIS RESUME, National implementation ON OR ABOUT6/79 MILESTONE SCHEDULE:	Operational Sof	tware	VERABLE TOA	AAT
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. CURRENT	NUMBER:	3. REVISION:		1 4	. START DAT	E:		N. S.
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. TITLE OF	F PROJECT:						1776	
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	ORGANIZATION:			7	. REQUIREME			
	n Martin		D-112			FAA	A-ED-12-2B	(dra
	PATING ORGANIZA EC: NPD # pe	TIONS AND AGREEMENT NUMB	BERS:	c. OTHER:	DOT ENT	6WA-3815		
		ARD-140			er Scienc		(CPFF)	
b. TSC:						•		
. OBJECTIV	re(s).							
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APPROACE	<u>I</u> :							
as basi	is for enhan	cements of the en i	route me	tering fu	nction (P	hase II).		
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	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	TITLE OF PROJECT:			7/75	
	Control Message Au	tomation (CMA)		e aguator vecilies de la company	
•	MANAGER/ORGANIZATION:			7. REQUIREMENT:	
_	Stan Smith	ARD-112 IONS AND AGREEMENT NUMBERS:		FAA-ED-12-2B	(draf
•	a. NAFEC: ARD-140		c. 075	DOT-FA76WA-3815	
_	NPD #03-1	.08	Co	omputer Sciences Corp (CPFF)	
	b. TSC:				
	OBJECTIVE(S):				
	APPROACE:				
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	will modify the engenerate various of over a two-way did enter the product of this result on or about	route ATC operational classes of messages for gital data link. THE System Test Restrict Automation Sys.	l program or delivery	to automatically formulate any to appropriately equipped as , is invended to suppose to	nd ircraft
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. CURRENT NUMBER:	3. REVISION:	4. START DATE:
1 122-113-01		4/74
. TITLE OF PROJECT:		
	lar Display Subsystem (E	TARS)
. MANAGER/ORGANIZATIO		7. REQUIREMENT:
John Edgbert	ARD-113	(draft) FAA-ED-12-2B
	IZATIONS AND AGREEMENT NUMBERS:	
a. NAFEC:		c. OTHER: MITRE
	NPD #21-290	SRI DOT-FATOWA-3911
b. TSC:		
OBJECTIVE(S):		400.000
APPROACE:		MANNER: SRDS, with NAFEC and contractor suppor
will procure an	ETABS engineering model	for test and evaluation in the NAFEC SSF:
Results will be	documented in a TDP.	tions to determine human factors requirements.
Results will be PRODUCT:	documented in a TDP.	
Results will be PRODUCT: THE PRODUCT OF THIS	documented in a TDP.	Package , is intended to support
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PRODUCT: THE PRODUCT OF THIS	documented in a TDP.	Package , is intended to support
PRODUCT: THE PRODUCT OF THIS Automation System ON OR ABOUT	Technical Data tem Development 2/81	Package , is intended to support
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PRODUCT: THE PRODUCT OF THIS Automation System on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC Test 2. Hardware do	and Evaluation Plan - Drelivery to NAFEC	Package , IS INTERDED TO SUPPORT AAF DATE
PRODUCT: THE PRODUCT OF THIS Automation System on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC Test 2. Hardware do 3. ETABS test	and Evaluation Plan - Drelivery to NAFEC and evaluation complete	Package , IS INTENDED TO SUPPORT AAF DATE Faft 4/79 12/79 9/80
PRODUCT: THE PRODUCT OF THIS Automation System on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC Test 2. Hardware do 3. ETABS test	and Evaluation Plan - Drelivery to NAFEC	Package , IS INTENDED TO SUPPORT AAF DATE Faft 4/79 12/79
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PRODUCT: THE PRODUCT OF THIS Automation System on or ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC Test 2. Hardware do 3. ETABS test	and Evaluation Plan - Drelivery to NAFEC and evaluation complete	Package , IS INTENDED TO SUPPORT AAF DATE Faft 4/79 12/79 9/80
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	CURRENT MAGER: 3. REVISIO	ON:	4. START DATE:	
_	122-113-02		10/77	
	TITLE OF PROJECT:		The state of the s	_
	Radar Position Input and Dis	mlay Subsystem (D)	APTD)	
	MANAGER/ORGANIZATION:		7. REQUIREMENT:	_
	John Edgbert	ARD-113	FAA-ED-12-2B (dr	aft
	PARTICIPATING ORGANIZATIONS AND AGREE a. MAPEC:	c.	OTHER:	
	b. TSC:			
	OBJECTIVE(S):			
	controller actions.	position to minim	ize repetitive and time consuming	
	APPROACE:			
	THIS EFFORT WILL BE ACCOMPLISHED IN	THE FOLLOWING MANNER:	SRDS, with contract support, will b	ouil
	a breadboard model at MITRE to provide adequate informat Engineering Model.	ion for developing	g specifications for purchase of an	, ar
	to provide adequate informat Engineering Model. PRODUCT:	ion for developing	g specifications for purchase of an	, ar
•	to provide adequate informat Engineering Model.	ion for developing	g specifications for purchase of an , is introded to support	, ar
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CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 122-113-03		4/11/75
. TITLE OF PROJECT:		4/11/15
Radar Display R	Recording/Playback Subsyst	-em
. MANAGER/ORGANIZATION		7. REQUIREMENT:
P. Harris	ARD-113	FAA-ED-12-2B (draft
. PARTICIPATING ORGANI	IZATIONS AND AGREEMENT NUMBERS:	Ties as its as (diate)
a. NAFEC:		c. OMIAR:
	D #12-125	
b. TSC:		
OBJECTIVE(S):		(classification
. APPROACE:	a transmitted to all PVD	dinitrie relication
fabricate test	ACCOMPLISHED IN THE FOLLOWING NO	ADDER: SRDS, with NAFEC support, will design, recording subsystem and an engineering model.
Production spec	ifications and final design	gn data will be developed.
. PRODUCT:		
PRODUCT:	Technical Data P	ackage To Table To Grand
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	CURRENT NUMBER:	3. REVISION:	4. STAR	DATE:
1	122-114-01	J		6/77
	TITLE OF PROJECT:			0///
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	MANAGER/ORGANIZATION:			RECENT:
7.	Arthur F. Chantk	er ARD-111 ATIONS AND AGREEMENT NUMBERS:	FA-	ED-12-2B (draft)
	ANA-700			A76WA-3815
-	b. TSC:	NPD #12-777	Computer Sc	iences Corporation
	J. 150:			
٠.	OBJECTIVE(S):			
	tion enhancement	ware and software develops.	ment efforts, as	a function of new automa-
١.	APPROACE:	COMPLISHED IN THE FOLLOWING MAN		
	NAFEC and documen	evaluate en route enhanc nt results. Improved NAS nce evaluation studies ba tional system.	computer perform	ance will be explored
2.		Performance Measu	rement Reports	, IS INTENDED TO SUPPORT
		AND	WILL BE DELIVERABLE TO	SRDS
	ON OR ABOUT9/	/79		
3.	MILESTONE SCHEDULE:			
•				
•	DESCRIPTION			DATE
		Measurement Report of EMS	AW Completed	DATE 1/79
,•	1. Performance N	Measurement Report of EMS Report of NAS Operational		non Designation of the Control Con-
	Performance M Measurement F Completed Research Repo		System	1/79
	Performance M Measurement F Completed Research Repo	Report of NAS Operational ort on Performance Measure	System	1/79 5/79

Sin Sin Art PAR D. OBJ THE Sin of	mulation model of the en en route automation deve	ARD-111 GREENENT NUMBERS: c. OT Fe DO Co THIS RESUME IS INTENDED TO: route computer system	7. REQUIREMENT: FAA-ED-12-2B 9550 #AAT-500-20 (draft) HER: DOT-FA77WA1-755 deral ADP Simulation Center DT-FA76WA-3815 mputer Sciences Corporation Improve and maintain a viable and use it to predict the performance
Sin Art PAR b. OBJ THE SIN OF	mulation Model Developmen NAGER/ORGANIZATION: thur F. Chantker RTICIPATING ORGANIZATIONS AND AG NAFEC: ARD-140 TSC: BLEVEL OF EFFORT IDENTIFIED IN mulation model of the en en route automation deve	ARD-111 GREENENT NUMBERS: c. OT Fe DO Co THIS RESUME IS INTENDED TO: route computer system	7. REQUIREMENT: FAA-ED-12-2B 9550 #AAT-500-20 (draft) HER: DOT-FA77WA1-755 Ederal ADP Simulation Center OT-FA76WA-3815 Improve and maintain a viable
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THE SIN OF	E LEVEL OF EFFORT IDENTIFIED IN mulation model of the en en route automation deve	route computer system	Improve and maintain a viable and use it to predict the performance
per	route hardware and softw	ware enhancements for to to to each other and the	DS, with contract support, will sele the simulation model to predict e NAS operational system. Modeling nt.
En	ROUTE Automation Develo		ports, IS INTENDED TO SUPPORT PELIVERABLE TO SRDS
3. <u>MII</u>	LESTONE SCHEDULE:		
	SCRIPTION		DATE
DES			
	Automatic Central Comp	uter Complex	3/79
	Automatic Central Compo		3/79
1.	Model Load Generation (Completed	
2.	Model Load Generation (Completed Completed	3/79 5/79
1.	Model Load Generation (Completed Completed	

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1 122	114 02	3. REVISION:		4. START DATE:	10/77
Tribute	LE OF PROJECT:				1016719
	tem Performance	Fyaluation			
-	AGER/ORGANIZATION:	Evaluation	-	7. REQUIREMENT:	
Art	hur F. Chantker	ARD-111			ft) FAA-ED-12-2B
. PAR		TIONS AND AGREEMENT NUMBERS:	c. OTHER		FAA-ED-12-2B
ANA	-700, ANA-170	NPD #12-777		elytest in the	eta anti-a
	TSC: -532 PPA #	FA-968		- 100 mg/1/2 of	-78. -78.
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deve ATC	S EFFORT WILL BE ACC elop, test and system perform	Implement an additional ance.	NER: SRDS, testing me	thodology to	measure the relat
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7	122-114-04					10/77	
	TITLE OF PROJECT:						
		rmance Evaluation				or molecular	
. 1	MANAGER/ORGANIZATION:			7. REQUIRE	MENT:		
	Arthur F. Chantk				F2	A-ED-12-2	B (draf
	PARTICIPATING ORGANIZA NAFEC:	ATTONS AND AGREEMENT NUMBERS:	c. OTH	æ.			
	ANA-170	NPD #12-125					
ъ	. TSC:						
	DTS-532	PPA #FA-968					
. 0	BJECTIVE(S):					100	
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(develop, test and	CCOMPLISHED IN THE FOLLOWING MA d implement an additiona rmance under impact of e	1 testing	methodolog	yy to mea	sure ATC	En Rout
. <u>F</u>	Controller Performance RODUCT: THE PRODUCT OF THIS REED ROUGE SOftware	Technical Repor	l testing	methodolog	y to mea	ROED TO SUPP	En Route
. E	Controller Performance PRODUCT: THE PRODUCT OF THIS RE EN ROUTE Software ON OR ABOUT 12/79	Technical Repor	l testing	methodolog	y to mea	SUPPROBER TO SUPP	En Route
· F	PRODUCT: THE PRODUCT OF THIS RE THE PRODUCT OF THIS RE	Technical Repor	l testing	methodolog	y to mea	ROED TO SUPP	En Route
· F	Controller Performance PRODUCT: THE PRODUCT OF THIS RE EN ROUTE Software ON OR ABOUT 12/79	Technical Repor	l testing	methodolog	y to mea	SUPPROBER TO SUPP	En Route
· F	PRODUCT: THE PRODUCT OF THIS NOT ON OR ABOUT 12/79 OR ABOUT SCHEDULE: DESCRIPTION 1. Working Paper	Technical Repor	t testing	methodolog	y to mea	ROED TO SUPP	En Rout
:- <u>P</u>	PRODUCT: THE PRODUCT OF THIS RICE ON OR ABOUT 12/79 OUTLESTONE SCHEDULE: DESCRIPTION 1. Working Paper on Controller 2. Flight Plan (Technical Report ESUME, Technical Report E/Hardware Development Activities	t testing	methodolog	_, IS INC. S	NOED TO SUPPRIOS	En Rout

	CURRENT NUMBER:	3. REVISION:	4.	START DATE:
	122-115-01			7/76
-	TITLE OF PROJECT:			The state of the s
		n the En Route System		
	MANAGER/ORGANIZATION:		7.	REQUIREMENT:
	Stan Smith	ARD-112		FAA-ED-12-2B (dra
		TONS AND AGREEMENT NUMBERS:		
. 1	a. NAFEC:		c. OTHER:	DOT-FA76WA-3815
_		D #03-108	Compu	ter Sciences Corp. (CPFF)
	b. TSC:			
	OBJECTIVE(S):			
	and each of the Di	ABS Engineering Model se	n the NAFEC	System Support Facility (SSF)
	will develop an in	COMPLISHED IN THE FOLLOWING WAR	MER: SRDS,	with NAFEC and contract suppor s will entail modification of
	related communicat	te program to accept and	process DA	3S surveillance and surveillan
	PRODUCT:	te program to accept and tions messages. ATC Test Report ration Automation Sysamo	process DAI	as surveillance and surveillan
	PRODUCT: THE PRODUCT OF THIS RES	te program to accept and tions messages. ATC Test Report ration Automation Sysamo	process DAI	as surveillance and surveillan
	PRODUCT: THE PRODUCT OF THIS RESUPPRIED ON OR ABOUT 12/	te program to accept and tions messages. ATC Test Report ration Automation Sysamo	process DAI	as surveillance and surveillan
	PRODUCT: THE PRODUCT OF THIS RESUPPRISE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION	ATC Test Report ration Automation Sysand	process DAI	ABLE TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUPPRISE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Veri	ATC Test Report ration Automation Sysand	process DAI	, IS INTENDED TO SUPPORT SRDS DATE 2/79
1.	PRODUCT: THE PRODUCT OF THIS RESUPPRISE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Veri	ATC Test Report ration Automation Sysand	process DAI	ABLE TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUPPRISONE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Ver: 2. DABS/ATC Techn	ATC Test Report ration Automation Sysand	process DAI	, IS INTENDED TO SUPPORT SRDS DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS RESUPPRISONE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Ver: 2. DABS/ATC Techn	ATC Test Report ration Automation Sysand	process DAI	, IS INTENDED TO SUPPORT SRDS DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS RESUPPRISONE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Ver: 2. DABS/ATC Techn	ATC Test Report ration Automation Sysand	process DAI	, IS INTENDED TO SUPPORT SRDS DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS RESUPPRISONE ON OR ABOUT 12/" MILESTONE SCHEDULE: DESCRIPTION 1. Interface Ver: 2. DABS/ATC Techn	ATC Test Report ration Automation Sysand	process DAI	, IS INTENDED TO SUPPORT SRDS DATE 2/79 8/79

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2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
1	122-115-02			7/75	
5.	TITLE OF PROJECT:				
	ATARS Processing		0.10	a advot short to set to	
	MANAGER/ORGANIZATION:			7. REQUIREMENT:	
1	Stan Smith	ARD-112		FAA-ED-12-2	2B (draft
•	PARTICIPATING ORGANIZATION OF THE PARTICIPATING OF	TIONS AND AGREEMENT NUMBERS:	c. OTH	R: DOT-FA76WA-3815	
	ANA-190 NPD	#03-108		puter Sciences Corp (CPFF)	L. bek
	b. TSC:		1		
	OBJECTIVE(S):				
	Resolution Servic NAS En Route system APPROACE:	e (ATARS) ground-based	collision	ating the Automatic Traffic a avoidance subsystem into the	
	will, in Phase I,	provide an initial ev	ANDER: SRI	DS, with NAFEC and contract s f the ATARS function and; Pha	support,
		refinement of the ATA	RS function	n interfacing with the ATC sy	stem.
	PRODUCT: THE PRODUCT OF THIS RE	refinement of the ATAI SUME, ATC System Test ration ATC System A	RS function	n interfacing with the ATC sy	ystem.
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	PRODUCT: THE PRODUCT OF THIS RE- Upgraded 3rd Gener ON OR ABOUT	refinement of the ATAI SUME, ATC System Test ration ATC System A	RS function	n interfacing with the ATC sy	ystem.
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	PRODUCT: THE PRODUCT OF THIS RE: Upgraded 3rd Gener ON OR ABOUT	ATC System Test ration ATC System AP 81 tion testing complete sting complete	RS function	, IS INTERDED TO SUPPO SRDS 1/80 9/80	ystem.
	PRODUCT: THE PRODUCT OF THIS RESUPERATE ON OR ABOUT 1/6 MILESTONE SCHEDULE: DESCRIPTION 1. Design evaluate	ATC System Test ration ATC System AP 81 tion testing complete sting complete	RS function	, IS INTERDED TO SUPPLE SRDS DATE 1/80	ystem.
	PRODUCT: THE PRODUCT OF THIS RE: Upgraded 3rd Gener ON OR ABOUT	ATC System Test ration ATC System AP 81 tion testing complete sting complete	RS function	, IS INTERDED TO SUPPO SRDS 1/80 9/80	ystem.
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. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 122-115-04		10/1/78
TITLE OF PROJECT:		
	Interface Development	
MANAGER/ORGANIZATION		7. REQUIREMENT:
Preston Martin	ARD-112	(draft) FAA-ED-12-2B
PARTICIPATING ORGANI:	ZATIONS AND AGREDMENT NUMBERS:	e. OTHER: DOT-FA76WA-3815
ARD-	140	Computer Sciences Corp (CPFF)
b. TSC:		
. OBJECTIVE(S):		3,5147,006
Facility.	the Interface petween the B	TABS equipment and the NAFEC System Sup
		26.4
	ACCORPLISHED IN THE FOLLOWING MARKE	
Results will be	used to develop a specifica tional implementation of ETA	e software will be developed and tested. tion for NAS en route software changes ABS.
Results will be	used to develop a specifica	tion for NAS en route software changes
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Results will be required for nate required for n	used to develop a specificational implementation of ETA Software ag of ETABS and the	, IS INTENDED TO SUPPORT
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I	122-115-05				10/1/78	
•	TITLE OF PROJECT:					
		ion Processing System In	terface			
•	MANAGER/ORGANIZATION:			7. REQUIRE		
	Stan Smith	ARD-112		FAA-	ED-12-2B (draft)	
	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTH	ER: DOT-FA	76WA-3815	
	ARD-14	10		DOI IN	ciences Corp (CPF	PF)
	b. TSC:					
	OBJECTIVE(S):					
	which will test to Support Facility.	ENTIFIED IN THIS RESUME IS INTE the interface between the	TIPS equ	provide for uipment and	development of s the NAFEC System	software n
	APPROACE:					
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING WAS	MER: SRI	DS, with NAM	FEC and contract	support
	will prepare a so	ftware specification. T	he softwa	are will be	developed and te	ested.
	Results will be u	sed to develop a specifi	cation for	or NAS En Ro	oute software cha	anges
		ulred for the national i	molement	ation of TI	99	
		uired for the national i	mplement	ation of TIE	Ps.	
		uired for the national i	mplement	ation of TII	es.	
		urred for the national i	mplement	ation of TIP	es.	
			mplement	ation of TII	es.	
		Software	mplement	ation of TI	., is intended to sup	PORT
	PRODUCT:	SOftware of TIPS and the AND		ation of TIP	es.	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing	Software		ation of TIE	., is intended to sup	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80	SOftware of TIPS and the AND		ation of TIE	., is intended to sup	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing	SOftware of TIPS and the AND		ation of TIE	., is intended to sup	PORT
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	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION	Software SUME, of TIPS and the NAFEC SSF	WILL BE DE	ation of TIE	., is intended to supposed to suppose	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft	Software SUME, of TIPS and the NAFEC SSF	WILL BE DE	ation of TIE	PS. IS INTENDED TO SUPPLY SERDS DATE 3/79	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft 2. Software deve	Software SUME, of TIPS and the NAFEC SSF ware interface specifical lopment complete	WILL BE DE	ation of TIE	PATE 3/79 12/79	PORT
	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft 2. Software deve 3. Interface tes	Software SUME, of TIPS and the NAFEC SSF ware interface specifical lopment complete ting complete	WILL BE DE	ation of TIE	DATE 3/79 12/79 4/80	PORT
	PRODUCT: THE PRODUCT OF THIS RE interface testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft 2. Software deve 3. Interface tes 4. Computer Prog	Software SUME, of TIPS and the NAFEC SSF ware interface specifical lopment complete ting complete ram Functional Specifical	WILL BE DE	ation of TIE	PATE 3/79 12/79	PORT
	PRODUCT: THE PRODUCT OF THIS RE interface testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft 2. Software deve 3. Interface tes 4. Computer Prog	Software SUME, of TIPS and the NAFEC SSF ware interface specifical lopment complete ting complete	WILL BE DE	ation of TIE	DATE 3/79 12/79 4/80	PORT
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	PRODUCT: THE PRODUCT OF THIS REINTERFACE testing ON OR ABOUT 6/80 MILESTONE SCHEDULE: DESCRIPTION 1. Complete soft 2. Software deve 3. Interface tes 4. Computer Prog	Software SUME, of TIPS and the NAFEC SSF ware interface specifical lopment complete ting complete ram Functional Specifical	WILL BE DE	ation of TIE	DATE 3/79 12/79 4/80	PORT
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. CURRENT NUMBER:	3. REVISION:	4. STAR	DATE:	
I 122-116-02			10/1/78	
. TITLE OF PROJECT:				
Data Processing Sys	stem Development			
. MANAGER/ORGANIZATION:		7. REQU.	RECENT:	
Arthur F. Chantker	ARD-111		FAA-ED-12-2B (d	iraft)
. PARTICIPATING ORGANIZAT. a. NAFEC: To be de	IONS AND AGREEMENT NUMBERS:	c. OTHER:		
b. TSC:				
. OBJECTIVE(S):				
	ed before procurement of	a data processi	ng system replacement	.
APPROACE:				
the state-of-the-an	omplished in the Pollowing MARI rt in hardware and softw	are, develop guid	NAFEC support, will a delines for future er	rout
hardware and software approach to meet e.	route computer require	to identify the ments.	most cost-effective	
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PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S OR OR ABOUT as requi	Studies/Reports System Replacement AND	ments.	, is invended to suppo	RT.
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- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	PCT
- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	PT .
- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	FT
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- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	rt.
- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	er.
- PRODUCT: THE PRODUCT OF THIS RESE En Route Computer S ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION 1. Initial study of 2. RFP issued	Studies/Reports System Replacement AND intended	ments.	DATE 12/78 2/79	F T

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6. MANAGER/ORGANIZATION: E. Van Vlaanderen, ARD- 9. PARTICIPATING ORGANIZATION: a. NAFEC: ANA-250 NPD 13-265 b. TSC: 0. OBJECTIVE(S):	AND AGREEMENT NUMBERS:	el		April 1, 19	
FSS Mass Weather Disse . MANAGER/ORGANIZATION: E. Van Vlaanderen, ARD- D. PARTICIPATING ORGANIZATIONS a. NAFEC: ANA-250 NPD 13-265 b. TSC: O. OBJECTIVE(S):	AND AGREEMENT NUMBERS:	el		<u> </u>	70
. MANAGER/ORGANIZATION: E. Van Vlaanderen, ARD PARTICIPATING ORGANIZATIONS a. NAFEC: ANA-250 NPD 13-265 b. TSC: . OBJECTIVE(S):	AND AGREEMENT NUMBERS:				
. PARTICIPATING ORGANIZATIONS a. NAFEC: ANA-250 NPD 13-265 b. TSC: OBJECTIVE(S):	AND AGREEMENT NUMBERS:		REQUIREMENT:		
a. NAFEC: ANA-250 NPD 13-265 b. TSC:		FS	Automatio	n Program	
OBJECTIVE(S):	c.	OTHER:			
THE LEVEL OF EFFORT THENTS					
	IED IN THIS RESUME IS INTENDED hrough the use of digita	Tubro		ather Disse	mination
. APPROACH:					
preflight services and laboratory model.	nition techniques. Provi route oriented PATWAS.	rest, eval	uate and d	emonstrate	the
•					
- PRODUCT:					
	T&E Report & Technical I)ata Packa	.qe, Is	intended to sui	PPORT
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THE PRODUCT OF THIS RESUME,	ation Subprogram AND WILL		and the same of th		PPORT
THE PRODUCT OF THIS RESUME, Mass Weather Dissemin ON OR ABOUT Sept 1980	ation Subprogram AND WILL		and the same of th		PPORT
THE PRODUCT OF THIS RESUME, Mass Weather Dissemin ON OR ABOUT Sept 1980 . MILESTONE SCHEDULE:	ation Subprogram AND WILL		and the same of th	os _	PPORT
THE PRODUCT OF THIS RESUME, Mass Weather Dissemin ON OR ABOUT Sept 1980	ation Subprogram AND WILL		and the same of th		PPORT
Mass Weather Dissemin ON OR ABOUT Sept 1980 MILESTONE SCHEDULE: DESCRIPTION	ation Subprogram AND WILL	BE DELIVERAN	and the same of th	os _	PPORT
THE PRODUCT OF THIS RESUME, Mass Weather Dissemin ON OR ABOUT Sept 1980 MILESTONE SCHEDULE: DESCRIPTION 1. System Demonstratio	ation Subprogram AND WILL	BE DELIVERAE	and the same of th	DATE	PPORT
THE PRODUCT OF THIS RESUME, Mass Weather Dissemin ON OR ABOUT Sept 1980 MILESTONE SCHEDULE: DESCRIPTION 1. System Demonstratio 2. Complete System Dem	n with Manual Message Uponstration with Auto Mess	BE DELIVERAE	and the same of th	DATE 11/78	PPORT

April 1, 1976 5. TITLE OF PROJECT: PATWAS/TWEB Automatic Message Composition 6. MANAGER/ORGANIZATION: E. Van Vlaanderen, ARD-441 9. PARTICIPATING ORGANIZATIONS AND AGREMENT NUMBERS: a. NAFEC: ANA-250 NFD 13-265 b. TSC: 0. CRIECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTENDED TO: Develop an automatic message composition capability for use with the Mass Weather Dissemination System Exploratory Design (project 131-401-02). 1. AFFROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: (1) Develop appropriate vocabulary and formats for PATWAS message composition; (2) Convert PATWAS vocabulary to digital form and store in digital memory; (3) Develop linguistic rules to achieve natural sounding speech; and (4) Update PATWAS message automatically by word/phrase concatenation and digital techniques. 2. PRODUCT: THE PRODUCT OF THIS RESIME, Engineering Software Package , IS INTENDED TO SUPPORT FSS Mass Weather Dissemination AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT	2. CURRENT NUMBER:	3. REVISION:	4. START DATE:
PATWAS/TWEE Automatic Message Composition 5. MANGEN/ORGANIZATION: E. Van Vlaanderen, ARD-441 D. PATTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NATEC: ANA-250 NPD 13-265 b. TSC: C. OTHER: C. OTHER: C. OTHER: C. OTHER: C. OTHER: C. OTHER: ANA-250 NPD 13-265 C. OTHER: C. OTHER: C. OTHER: ANA-250 NPD 13-265 C. OTHER: C. OTHER: ANA-250 NPD 13-265 C. OTHER: C. OTHER: C. OTHER: ANA-250 NPD 13-265 C. OTHER: FSS Automation Program C. OTHER: FSS Automation Program FSS Automation Program C. OTHER: C. OTHER: C. OTHER: FSS Automation Program FSS Automation Prog	131-401-03		The state of the s
E. Van Vlaanderen, ARD-441 FSS Automation Program FSS Automaticn FS		tic Message Composition	
ANA-250 NPD 13-265 b. TSC: C. OTHER: C. O	The state of the s		
ANA-250 NPD 13-265 b. TSC: CEJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIDE IS INTENDED TO: Develop an automatic message composition capability for use with the Mass Weather Dissemination System Exploratory Design (project 131-401-02). APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: (1) Develop appropriate vocabulary and formats for PATWAS message composition; (2) Convert PATWAS vocabulary to digital form and store in digital memory; (3) Develop linguistic rules to achieve natural sounding speech; and (4) Update PATWAS message automatically by word/phrase concatenation and digital techniques. PRODUCT: THE PRODUCT OF THIS RESURE, Engineering Software Package , IS INVENDED TO SUPPORT FSS Mass Weather Dissemination AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Complete Automatic Message Composition Software 12/78 2. System Demonstration 1/79			FSS Automation Program
CRIECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESIME IS INTENDED TO: Develop an automatic message composition capability for use with the Mass Weather Dissemination System Exploratory Design (project 131-401-02). 1. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: (1) Develop appropriate vocabulary and formats for PATWAS message composition; (2) Convert PATWAS vocabulary to digital form and store in digital memory; (3) Develop linguistic rules to achieve natural sounding speech; and (4) Update PATWAS message automatically by word/phrase concatenation and digital techniques. 2. FRODUCT: THE PRODUCT OF THIS RESIME, Engineering Software Package, IS INTENDED TO SUPPORT FSS Mass Weather DisseminationAND WILL BE DELIVERABLE TOSRDS	a. NAFEC:	c.	THER:
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: Develop an automatic message composition capability for use with the Mass Weather Dissemination System Exploratory Design (project 131-401-02). 1. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MAINTER: (1) Develop appropriate vocabulary and formats for PATWAS message composition; (2) Convert PATWAS vocabulary to digital form and store in digital memory; (3) Develop linguistic rules to achieve natural sounding speech; and (4) Update PATWAS message automatically by word/phrase concatenation and digital techniques. 2. PRODUCT: THE PRODUCT OF THIS RESUME, Engineering Software Package, IS INTENDED TO SUPPORT FSS Mass Weather Dissemination AND WILL BE DELIVERABLE TO SRDS 11/79 ON OR ABOUT 3. MILESTONE SCREDULE: DESCRIPTION 1. Complete Automatic Message Composition Software 12/78 2. System Demonstration 1/79	b. TSC:		
composition capability for use with the Mass Weather Dissemination System Exploratory Design (project 131-401-02). 1. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: (1) Develop appropriate vocabulary and formats for PATWAS message composition; (2) Convert PATWAS vocabulary to digital form and store in digital memory; (3) Develop linguistic rules to achieve natural sounding speech; and (4) Update PATWAS message automatically by word/phrase concatenation and digital techniques. 2. PRODUCT: THE PRODUCT OF THIS RESIDE, Engineering Software Package, IS INVENDED TO SUPPORT FSS Mass Weather Dissemination AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 3. MILESTONE SCREDULE: DESCRIPTION 1. Complete Automatic Message Composition Software 1. 2/78 2. System Demonstration	O. OBJECTIVE(S):		
ON OR ABOUT	THIS EFFORT WILL BE formats for PATWAS		
DESCRIPTION 1. Complete Automatic Message Composition Software 1. System Demonstration 1/79	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS	al memory; (3) Develop linguist. date PATWAS message automatical. RESIME, Engineering Software Pac	ic rules to achieve natural sounding by by word/phrase concatenation and cage
1. Complete Automatic Message Composition Software 12/78 2. System Demonstration 1/79	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather 11/	al memory; (3) Develop linguist. date PATWAS message automatical. RESIME, Engineering Software Pack This Dissemination AND WILL BE	ic rules to achieve natural sounding by by word/phrase concatenation and cage
2. System Demonstration 1/79	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather 11/	al memory; (3) Develop linguist. date PATWAS message automatical. RESIME, Engineering Software Pack This Dissemination AND WILL BE	ic rules to achieve natural sounding by by word/phrase concatenation and cage
	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. date PATWAS message automatical. RESIME, Engineering Software Pack This Dissemination AND WILL BE	ic rules to achieve natural sounding by by word/phrase concatenation and sage, is invended to support, SRDS
3. Final Draft Report 5/79	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	cal memory; (3) Develop linguist. codate PATWAS message automatical. codate PATWAS message automatic	ic rules to achieve natural sounding by word/phrase concatenation and kage, is introded to support DELIVERABLE TOSRDS
	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Odate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE	ic rules to achieve natural sounding ly by word/phrase concatenation and Kage, IS INTENDED TO SUPPORT DELIVERABLE TO
	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE AND WILL BE And WILL BE And WILL BE Traces of the second of the	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support
	speech; and (4) Up digital techniques PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE AND WILL BE And WILL BE And WILL BE Traces of the second of the	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support
	speech; and (4) Up digital techniques 2. PRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE AND WILL BE And WILL BE And WILL BE Traces of the second of the	ic rules to achieve natural sounding ly by word/phrase concatenation and Kage, IS INTENDED TO SUPPORT DELIVERABLE TO
	speech; and (4) Up digital techniques 2. FRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE AND WILL BE And WILL BE And WILL BE Traces of the second of the	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support
	speech; and (4) Up digital techniques 2. FRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE AND WILL BE And WILL BE And WILL BE Traces of the second of the	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support
	speech; and (4) Up digital techniques 2. FRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support
	speech; and (4) Up digital techniques 2. FRODUCT: THE PRODUCT OF THIS FSS Mass Weather ON OR ABOUT	al memory; (3) Develop linguist. Diate PATWAS message automatical. RESIME, Engineering Software Pack Dissemination AND WILL BE	ic rules to achieve natural sounding by word/phrase concatenation and sage, is intended to support

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. CURRENT NUMBER: 3. REVISION:	4. START DATE: April 1, 1976
. TITLE OF PROJECT:	April 1, 1570
Utterance Recognition Performance Improvem	
. MANAGER/ORGANIZATION: E. Van Vlaanderen, ARD-441	7. REQUIREMENT: FSS Automation Program
. PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	THE SECOND CONTRACTOR OF THE PROPERTY OF THE P
a. NAFEC: ANA-250 NPD 13-265	c. OTHER:
b. TSC:	
. OBJECTIVE(S):	CONTRACT
APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING M In-house and NAFEC study of flight plan	MANNER:
PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02)	tor resources will be applied to Utterance aboratory tests, analysis and demonstration. and Vocabulary , IS INTENDED TO SUPPORT SYSTEM WILL BE DELIVERABLE TO SRDS on or about 11/79
Recognition Device design changes for la PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02) ON OR ABOUT	tor resources will be applied to Utterance aboratory tests, analysis and demonstration. and Vocabulary , IS INTENDED TO SUPPORT SYSTEM
PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02) ON OR ABOUT	tor resources will be applied to Utterance aboratory tests, analysis and demonstration. and Vocabulary , IS INTENDED TO SUPPORT SYSTEM
Recognition Device design changes for la PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02) ON OR ABOUT MILESTONE SCHEDULE:	aboratory tests, analysis and demonstration. and Vocabulary , IS INTENDED TO SUPPORT SYSTEM NO WILL BE DELIVERABLE TO SRDS on or about 11/79
Recognition Device design changes for la PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02) ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	and Vocabulary , IS INTENDED TO SUPPORT SYSTEM ND WILL BE DELIVERABLE TO SRDS on or about 11/79
Recognition Device design changes for la PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats the Mass Wx Dissem proj (131-401-02) ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION Complete Vocabulary Development	and Vocabulary , IS INTENDED TO SUPPORT SYSTEM AND WILL BE DELIVERABLE TO SRDS on or about 11/79 DATE 11/78
PRODUCT: THE PRODUCT OF THIS RESUME, Modified Formats. the Mass Wx Dissem proj (131-401-02) ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION Complete Vocabulary Development Complete Field Testing System Demonstration	and Vocabulary , IS INTENDED TO SUPPORT SYSTEM AND WILL BE DELIVERABLE TO SRDS on or about 11/79 DATE 11/78 7/79
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	echnology Resume			
2. CURRENT NUMBER: I 131-402-02	3. REVISION:	4.	START DATE: Oct 1975	
5. TITLE OF PROJECT: Chicago FSS Data Col:	lection and Analysis			
6. MANAGER/ORGANIZATION:		7.	REQUIREMENT: A	T 1tr 6/30/76 - "O
John Sullivan, ARD-4	100 and agreement numbers:	Site		on and Analysis"
a. NAFEC: ANA-250	NPD 13-265	c. OTHER:		
b. TSC:				
O. OBJECTIVE(S):		<u> </u>		
final installation.	or to installation, after			
2. PRODUCT: THE PRODUCT OF THIS RES FSS Automation			AAT	ENDED TO SUPPORT
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. CURRENT NUMBER:	3. REVISION:		4. START DATE:
131-402-03	1. 484 Lago 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Jul 1, 1977
TITLE OF PROJECT:			
	cs Processing and Displa	y for FSS	STAID AND COLUMN OF MAKE MEN COM-
. MANAGER/ORGANIZATIO Charles Murray, A			7. REQUIREMENT: AAT-1 ltr, 1/21/77 Joint ARD-1/ANA-1 ltr, 4/29/77
a. NAFEC:	TIZATIONS AND AGREEMENT NUMBERS:	c. OTH	
b. TSC:			590
. OBJECTIVE(S):			
APPROACE:	ary dissenting con und dis	pruj syste.	n for Flight Service Stations.
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^{14.} FOOTHOTES: If report is favorable and AAT provides fiscal resources, SRDS will develop a test model and demonstrate in lab. This resume will be revised accordingly.

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2. CURRENT NUMBER:	3. REVISION:		4. START DATE:
5. TITLE OF PROJECT:			Jul 1, 1977
FSS Consolidation/	Sectorization		BOND AND THE THE RESERVE
. MANAGER/ORGANIZATION:			7. REQUIREMENT: AAT-1 ltr, 1/21/77
Charles Murray ADI	D-440 ZATIONS AND AGREEMENT NUMBERS:		Joint ARD/ANA 1tr, 4/29/77
a. NAFEC: ANA-250 NPD		c. OTHE	R:
b. TSC:			
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inflight work load		ie cermine	It securization of Diffing and o
. APPROACE:			
	ACCOMPLISHED IN THE FOLLOWING MA nd prepare reports in res		S, with NAFEC support, will collect
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2. CURRENT NUMBER:	3. REVISION:	4. START DATE:	
I 132-402-01	3. REVISION:	Jan 1976	
5. TITLE OF PROJECT:			
FIS Systems Acquis			
 MANAGER/ORGANIZATION: William L. Young. 		7. REQUIREMENT: OST/FAA Study, 17 FSS Master Plan, 1/78	7/4
	ATTONS AND AGREEMENT NUMBERS:	c. OTHER:	
b. TSC:			
10. OBJECTIVE(S):			
		DED TO: Technical and program management t the Flight Service Station Automation	
manual Level III (Hi a 1-year effort by u IIa is the production locations and 43 Lev	gh Activity) Flight Servi p to 3 contractors to ver n and implementation of t el III Flight Service Sta	SRDS, with NAFEC support, has initiated in the present of the program to automate the present of Stations. Phase I (Design Verification if the proposed automation system designs. The automation equipment at each of 14 April 2015 and 15 phase I contractors.	ont on) i Phas
(Model 1 & Model 2) implementation of Model 2. PRODUCT:	at each of the designated del 2 automation equipmen	stems with 2 levels of functional capabi locations. Phase IIb is the production for the remaining 6 ARTCC locations.	lity
(Model 1 & Model 2) implementation of Mod 12. <u>PRODUCT</u> : THE PRODUCT OF THIS R	at each of the designated del 2 automation equipmen FSS Model 1 System	stems with 2 levels of functional capability of the production for the remaining 6 ARTCC locations. Model 2 System , IS INTENDED TO SUPPORT	lity
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	Technology Resume	
. CURRENT NUMBER:	3. REVISION:	4. START DATE: September 1975
. TITLE OF PROJECT:		
Direct User Access . MANAGER/ORGANIZATION		7 PROTECTION OF PAR CAUSE 12/74
Carey L. Weigel, A		 REQUIREMENT: OST/FAA Study 12/74 FSS Master Plan 1/78
. PARTICIPATING ORGANI a. NAFEC: ANA-23	ZATIONS AND AGREEMENT NUMBERS: 0 NPD 13-251 c. OTHER:	
b. TSC: PPA 631		
. OBJECTIVE(S):		
the FSS so capacit	y can be increased and future service	e quality and timeliness enhance
. APPROACH:		
	ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, f self-briefing techniques to permit	
computer weather d		
	lata base for preflight and inflight em integration will be accomplished	weather briefing and flight
plan filing. Syst	ata base for preflight and inflight	weather briefing and flight
plan filing. Syst	ata base for preflight and inflight	weather briefing and flight
plan filing. Syst by AAF. . <u>PRODUCT</u> :	ata base for preflight and inflight	weather briefing and flight
plan filing. Syst by AAF. . <u>PRODUCT</u> :	ata base for preflight and inflight em integration will be accomplished RESUME, Direct User Access Packages	weather briefing and flight by contract; implementation , IS INTENDED TO SUPPORT
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	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	142-171-05				10/1/77
	TITLE OF PROJECT: Full Digital ARTS	Display Development			
6.	MANAGER/ORGANIZATION:			7. REQUIREMENT:	
_	R. Simon	ARD-120 TIONS AND AGREEMENT NUMBERS:		FAA-ED-14-2 F	
9.	a. NAFEC: NAFEC ST	TIONS AND AGREEMENT NUMBERS: upporting division etermined	c. OTHE	R: Contractor to	be determined
	b. TSC:				
0.		DENTIFIED IN THIS RESUME IS INTE the state-of-the-art, what ties.		develop a displa be deployed at al	
1.	APPROACE:				
	THIS EFFORT WILL BE AC will design, devel	complished in the following MAN	MNER: SRDS	with contract and with improved per	nd NAFEC support, formance,
	flexibility, main	tainability and reliabili	ity.		
2.	flexibility, maint	tainability and reliabil	ity.		
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	142-172-01	3. REVISION:		4. START DATE: 9/74	
•	TITLE OF PROJECT: Basic Metering and	Spacing			
	MANAGER/ORGANIZATION: Gary Rowland	ARD-123		7. REQUIREMENT: FAA-ED-14-2 A	
	PARTICIPATING ORGANIZATI	ONS AND AGREEMENT NUMBERS:	e. OTH	INTUAC	
	b. TSC:			ky Mountain Region - ARM-126-A2	
	metering and spacin	g capability.	11 de	rovide for the development of	
				, with Regional and contract s	-FF
	will test and evalu modification and up ing conditions at t	dating, as required,	ams at NAF the progra	EC under simulated conditions. ms will be tested under live o	Af pera
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•	PRODUCT: THE PRODUCT OF THIS RESULATIVAL Metering and ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. NAFEC Verificat: 2. Denver Evaluation	Documentation and Spacing Amount of Complete	nd Report	, IS INTENDED TO SUPPORT IVERABLE TO _SRDS PATE 2/79 7/79	pera

I 142-173-01 7/75 TITLE OF PROJECT: Terminal Information Processing System (TIPS) NANAGEN/GROANIZATION: N. Aaronson ARD-120 FAA-ED-14-2 A FARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: ANA-110 NPD #14-129 c. OTHER: AAT and AAF Region to be determined b. TSC: CEJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide technical documentation improved system to handle flight data at high density terminals. AFFROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MAINURE: SRDS, with NAFEC support, will pref an Engineering Requirement and required supporting documentation for purchase of engineering model of TIPS. After testing at NAFEC, the model will be installed a tested at a field site selected by AAT. PRODUCT: THE PRODUCT OF THIS RESUME, Technical Data Package , IS INTENDED TO SUPPORT Flight Data Handling for High Density AND WILL BE DELIVERABLE TO AAF
TITLE OF PROJECT: Terminal Information Processing System (TIPS) MANAGER/ORGANIZATION: N. Aaronson ARD-120 FAA-ED-14-2 A PRATICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: ANA-110 NPD #14-129 b. TSC: CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide technical documentation improved system to handle flight data at high density terminals. AFFROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS, with NAFEC support, will prefan Engineering Requirement and required supporting documentation for purchase of engineering model of TIPS. After testing at NAFEC, the model will be installed a tested at a field site selected by AAT. PRODUCT: THE PRODUCT OF THIS RESUME, Technical Data Package , IS INTENDED TO SUPPORT Flight Data Handling for High Density AND WILL BE DELIVERABLE TO AAF
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Flight Data Handling for High Density AND WILL BE DELIVERABLE TO AAF
AND WILL BE DELIVERABLE TO
Terminals ON OR ABOUT1/81
MILESTONE SCHEDULE:
1. Complete T and E at NAFEC 4/80
2. Complete T and E at Field Site 9/80
3. Complete Technical Data Package 1/81

2.	CURRENT NUMBER:	3. REVISION:	4.	START DATE:
	142-176-01			6/75
•	TITLE OF PROJECT:			
_		ent (DABS/SRAP Interface)		REQUIREMENT:
•	MANAGER/ORGANIZATION:	100 122	1.	
_	John Harrocks PARTICIPATING ORGANIZA	ARD-123 TIONS AND AGREEMENT NUMBERS:		FAA-ED-14-2 A
	a. NAFEC:	NPD #03-110	c. OTHER:	
	b. TSC:			
	OBJECTIVE(S):		•	
•	newly developed as Terminal Interfact	nd modified TAMPA software e Verification and DABS/SR	for the T	ith NAFEC support, will use the and E, and will develop a ational software for both
		nd live DABS/SRAP environm	ents.	
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio	SUME, Evaluation Report	ents.	, is intended to support ABLE TOAAT
1	PRODUCT: THE PRODUCT OF THIS REDABS Implementation	SUME, Evaluation Report		
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	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
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	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS REDABS Implementatio ON OR ABOUT 11/ MILESTONE SCHEDULE: DESCRIPTION 1. DABS/Communic 2. DABS/SRAP II U	Evaluation Report AND W 779 ation Demonstration (ATCS) Ser's Manual	il be deliver	DATE 2/79 8/79

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ARTS III			6/75
ARTS III			9/13
	nhancement (TATF Support)		
tarantal orman			7. REQUIREMENT:
J. Horrock	s ARD-12	23	FAA-ED-14-2 A
	ORGANIZATIONS AND AGREEMENT NUMBER		
a. NAFEC: ANA-130	NPD #RD-140	e. OII	entractor to be determined
b. TSC:	110 HO 110		
OBJECTIVE(S):			
will modif	ILL BE ACCOMPLISHED IN THE FOLLOWI y, operate and schedule th oftware changes.	ING MAINER: Sine TATE and po	RDS, with NAFEC and contract support rovide direction/approval of all
PRODUCT:			
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Advanced t	erminal/tower ATC hardware		, is intended to support support SRDS
Advanced t	erminal/tower ATC hardware // and software systems		, is intended to support support SRDS
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Advanced t	erminal/tower ATC hardware // and software systems		, IS INTENDED TO SUPPORT SRIVERABLE TO SUPPORT DATE
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THE PRODUCT OF Advanced to CH OR ABOUT 8 MILESTONE SCHOOL DESCRIPTION	erminal/tower ATC hardware /79 and software systems DULE:	AND WILL BE D	PATE 11/78
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THE PRODUCT OF Advanced to the OR ABOUT 8 MILESTONE SCHOOL 1. TATE Co. 2. TATE S	erminal/tower ATC hardware /79 and software systems DULE:	AND WILL BE D	PATE 11/78
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CURRENT NUMBER:	3. REVISION:		4. START DATE:	-11	THE RESERVE
143-102-01				9/66	
TITLE OF PROJECT:					
Basic ASDE-3					
MANAGER/ORGANIZATION			7. REQUIREMENT:	FAA-RD-	-78-12
M. E. Perie	ARD-102		9550 #AAF-	-320-78-00	05
PARTICIPATING ORGANIZ	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER	DO BUILDING TO THE		
ANA-310	NPD #08-396	e. Olhan			
b. TSC:					
DTS-522	PPA #FA-921				
OBJECTIVE(S):					
procure, install	ACCOMPLISHED IN THE FOLLOWING No., test and evaluate a ba				
PRODUCT:	ransmitted to AAF.	² ackage	TS	INTENDED TO	SUPPORT
PRODUCT: THE PRODUCT OF THIS Production Buy o	RESIME, <u>Technical Data</u> F		, is	INTENDED TO	SUPPORT
PRODUCT: THE PRODUCT OF THIS Production Buy o	RESUME, <u>Technical Data F</u> f ASDE-3 A			-	SUPPORT
PRODUCT: THE PRODUCT OF THIS Production Buy o	RESUME, <u>Technical Data F</u> f ASDE-3 A			-	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT	RESIME, Technical Data F of ASDE-3 AP 79			DATE	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESIME, Technical Data F of ASDE-3 AP 79			AAF	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
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PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT
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PRODUCT: THE PRODUCT OF THIS E Production Buy o ON OR ABOUT 7/ MILESTONE SCHEDULE: DESCRIPTION 1. Complete eval	RESUME, Technical Data F of ASDE-3 AP 079 .			DATE 7/79	SUPPORT

	CURRENT NUMBER:	3. REVISIO	N:	4	. START DATE	· ·	
1	143-102-02					9/66	
	TITLE OF PROJECT:					7,00	
	Enhanced ASDE-3						
	MANAGER/ORGANIZATION:	1000		7	. REQUIREMEN	T:	
	M. E. Perie		ARD-102			FAA-RD-78-	4
	PARTICIPATING ORGANIZA . NAFEC:	TIONS AND AGREE	MENT NUMBERS:	c. OTHER:			
	b. TSC:			1			
	OBJECTIVE(S):						
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	THIS EFFORT WILL BE AC	COMPLISHED IN T	HE FOLLOWING MARK	MER: SRDS			DE-3
	radar system wit	Spec		er and perf			
	PRODUCT: THE PRODUCT OF THIS RETAGS prototype pr	Sume, Spec	cification		,	IS INTENDED TO SUPP	4214
	PRODUCT: THE PRODUCT OF THIS RETAGS prototype pr	SIME, Spec	cification		,	is invended to supp	
	PRODUCT: THE PRODUCT OF THIS RETAGS prototype product of ABOUT 4	SIME, Spec	cification		,	is invended to supp	
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	PRODUCT: THE PRODUCT OF THIS RETAGS PROTOTYPE PRODUCT ON OR ABOUT 4 MILESTONE SCHEDULE: DESCRIPTION	Spectocurement	cification AND	WILL BE DELIVE	RABLE TO	IS INTENDED TO SUPP SRDS	
	PRODUCT: THE PRODUCT OF THIS RETAGS PROTOTYPE PRODUCT ON OR ABOUT 4 MILESTONE SCHEDULE: DESCRIPTION	Spectocurement	cification AND	WILL BE DELIVE	RABLE TO	IS INTENDED TO SUPP SRDS	
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	PRODUCT: THE PRODUCT OF THIS RETAGS PROTOTYPE PRODUCT ON OR ABOUT 4 MILESTONE SCHEDULE: DESCRIPTION	Spectocurement	cification AND	WILL BE DELIVE	RABLE TO	IS INTENDED TO SUPP SRDS	
	PRODUCT: THE PRODUCT OF THIS RETAGS PROTOTYPE PRODUCT ON OR ABOUT 4 MILESTONE SCHEDULE: DESCRIPTION	Spectocurement	cification AND	WILL BE DELIVE	RABLE TO	IS INTENDED TO SUPP SRDS	
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	PRODUCT: THE PRODUCT OF THIS RETAGS PROTOTYPE PRODUCT ON OR ABOUT 4 MILESTONE SCHEDULE: DESCRIPTION	Spectocurement	cification AND	WILL BE DELIVE	RABLE TO	IS INTENDED TO SUPP SRDS	4214

		3. REVISION:		4. START DATE:		
5.	143-103-01				9/66	
	TITLE OF PROJECT:					
		Ground Surveillance System	m			
	MANAGER/ORGANIZATION:			7. REQUIREMENT:		
	M. E. Perie	ARD-102			FAA-RD-78-	-4
	PARTICIPATING ORGANIZA	TIONS AND AGREEMENT NUMBERS:	c. OTH	R:		
	ANA-430	NPD #08-459				
	b. TSC: DTS-522	PPA FA-821				
).						
	procure a TAGS pr	COMPLISHED IN THE FOLLOWING MANU-	n operat	ional airport.	Results of t	t, Will he
	PRODUCT:	to prepare a procurement	t specif:	cation.		
2.	PRODUCT: THE PRODUCT OF THIS RETAILS implementati	Technical Data Pack	t specif:	cation.	INTERDED TO SUPP	
2.	PRODUCT: THE PRODUCT OF THIS RE	Technical Data Pack	t specif:	, IS	INTERDED TO SUPP	
2.	PRODUCT: THE PRODUCT OF THIS RETAGS implementation or about 4/85	Technical Data Pack	t specif:	, IS	INTERDED TO SUPP	
	PRODUCT: THE PRODUCT OF THIS RETAGS implementation or about 4/85	Technical Data Pack	t specif:	, IS	INTERDED TO SUPP	
	PRODUCT: THE PRODUCT OF THIS RETAGS implementati ON OR ABOUT 4/85 MILESTONE SCHEDULE: DESCRIPTION	Technical Data Pack on at qualifying airports	t specif:	, IS	INTENDED TO SUPP	
	PRODUCT: THE PRODUCT OF THIS RETAGS implementati ON OR ABOUT 4/85 MILESTONE SCHEDULE: DESCRIPTION 1. Complete ATCR	Technical Data Pack on at qualifying airports BS single sensor testing	t specif:	, IS	INTENDED TO SUPP	
	PRODUCT: THE PRODUCT OF THIS RETAGS implementati ON OR ABOUT 4/85 MILESTONE SCHEDULE: DESCRIPTION 1. Complete ATCR 2. TAGS prototyp	Technical Data Packson at qualifying airports BS single sensor testing a delivered	t specif:	, IS	INTENDED TO SUPP	
	PRODUCT: THE PRODUCT OF THIS RETAGS implementati ON OR ABOUT 4/85 MILESTONE SCHEDULE: DESCRIPTION 1. Complete ATCR 2. TAGS prototyp 3. Begin operation	Technical Data Packson at qualifying airports BS single sensor testing a delivered	t specif:	, IS	INTENDED TO SUPP	
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	PRODUCT: THE PRODUCT OF THIS RETAGS implementati ON OR ABOUT 4/85 MILESTONE SCHEDULE: DESCRIPTION 1. Complete ATCR 2. TAGS prototyp 3. Begin operation	Technical Data Packson at qualifying airports AND Value delivered onal evaluation	t specif:	, IS	INTENDED TO SUPP F DATE 10/79 10/83 4/84	

. CURRENT	NUMBER:	3. REVISION:	4. START DATE:
I 143-1	52-01		6/77
. TITLE C	F PROJECT:		
Visua	1 Confirmat	ion of Voice Takeoff Cle	arance (VICON)
	ORGANIZATION:		7. REQUIREMENT:
Georg	e A. Scott	ARD-152	9550 #ATF-77-2
		ATTIONS AND AGREEMENT NUMBERS:	
a. NAF	A-430	NPD #07-413	c. OTHER:
b. TSC		112 1101 1213	ANE-450
	C-522	PPA FA-721	I success and states
OBJECTI	VE(S):		
safet	у.		and if it provides an added measure of
+-1			t and evaluate a VICON system at three
and e	ff locations valuation as	s at NAFEC (PHASE I). Phase a higher density location of integration with ATC s	hase II will entail the installation test ion, and emphasize controller/pilot accepta
and e	ff locations valuation at easibility o	t a higher density locat: of integration with ATC s	hase II will entail the installation test ion, and emphasize controller/pilot acceptar system.
and e	ff locations valuation at easibility o	of integration with ATC s	hase II will entail the installation test ion, and emphasize controller/pilot acceptar system.
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and e and f	ff locations valuation as easibility of puor of THIS RO popment of Vi	Technical Data Passual Confirmation	hase II will entail the installation test ion, and emphasize controller/pilot acceptar system. ackage, IS INTENDED TO SUPPORT
and e and f	ff locations valuation as easibility of puor of THIS RO popment of Vi	Technical Data Passual Confirmation	hase II will entail the installation test ion, and emphasize controller/pilot acceptar system. ackage, IS INTENDED TO SUPPORT
and e and f	ff locations valuation at easibility of the schedule:	Technical Data Passual Confirmation	hase II will entail the installation test ion, and emphasize controller/pilot acceptar system. ackage, IS INTENDED TO SUPPORT
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and e and f	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT
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and e and f	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT
PRODUCT THE PRO Develo ON OR A MILESTO DESCRIP	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT
on or a MILESTO DESCRIP	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT
and e and f	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT
and e and f	off locations valuation as easibility of the seasibility of the seasib	Technical Data Paisual Confirmation AND akeoff Clearance System (Phase I) Complete	hase II will entail the installation test ion, and emphasize controller/pilot acceptary system. ackage, IS INTENDED TO SUPPORT

. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 144-170-01		7/75
TITLE OF PROJECT:		
Terminal Tower S	Sustaining Engineering	
. MANAGER/ORGANIZATION:		7. REQUIREMENT: FAA-ED-14-2A- 9550s AAF-640-78-007 - APC-510-78-1
R. Simon	ARD-120	AAF-640-78-007 - APC-510-78-1 AEA-510-78-1
. PARTICIPATING ORGANIZ	ZATIONS AND AGREEMENT NUMBERS:	nen ·
ANA-110	NPD #SE-191	
b. TSC:		
. OBJECTIVE(S):		support ATC facility improvement
. APPROACE:		nd foreign governments, as required.
and/or Contracto	CCOMPLISHED IN THE FOLLOWING MANNER: SI	RDS, with support by NAFEC, Regions, tests and evaluations on mockup and/
or live test bed	s. Human factor and environment	tests and evaluations on mockup and/ al considerations will be included.
PRODUCT:		
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	RESUME,	, is intended to support RELIVERABLE toAAT/Others
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THE PRODUCT OF THIS F ATC/Other Facili ON OR ABOUT as req . MILESTONE SCHEDULE: DESCRIPTION 1. Baltimore To	ty Programs AND WILL BE D	DATE 12/78

CURRENT NUMBER:	3. REVISION:	4. START DATE:	V Here ye
1142-120-01		10/1/77	
TITLE OF PROJECT:			
Software Technic MANAGER/ORGANIZATION:		7 PROUTER/PRE	
J. Horrocks	ARD-120	7. REQUIREMENT:	
	ATIONS AND AGREDMENT NUMBERS:	FAA-ED-14-2A	
a. NAFEC:		c. OTHER:	
ARD-	143		
b. TSC:			
OBJECTIVE(S):			100
		COED TO: support ARTS III Software D	
and testing.		Support AMIS III SOTEMATE D	
APPROACE:			
THIS EFFORT WILL BE A	COOMPLISHED IN THE FOLLOWING MA	NER: SRDS, with NAFEC support, wil	l pre
		sign verification tests of ARTS III	softw
PRODUCT:			
	Software Suppor	TS DOWNERD TO SUIT	POPT
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THE PRODUCT OF THIS R	gram AND	t, IS INVENDED TO SUR WILL BE DELIVERABLE TO SRDS	PORT
THE PRODUCT OF THIS R	gram AND	SPDS	PORT
THE PRODUCT OF THIS R	gram AND	SPDS	PORT
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THE PRODUCT OF THIS R Terminal Prod ON OR ABOUT as requ MILESTONE SCHEDULE: DESCRIPTION	gram AND	WILL BE DELIVERABLE TO SRDS	PORT

2.	CURRENT NUMBER: 1142-121-01	3. REVISION:	4. START DATE:
_	TITLE OF PROJECT:		7/75
•		and Custom Pasissassiss	
_	MANAGER/ORGANIZATION:	and System Engineering	7. REQUIREMENT:
•	William Fraser	ARD-120	
7.		ATIONS AND AGREEMENT NUMBERS:	FAA-ED-14-2
	a. NAFEC:		c. OTHER: DOT-FA79WA-4184 MITRE Corp.
	b. TSC:		
	OBJECTIVE(S):		
	Planning and Syst	tem Engineering.	
•	APPROACH:		
	THIS EFFORT WILL BE AC	CCOMPLISHED IN THE POLLOWING N	AMER: SRDS, with contract support, will
2.	prepare analyses engineering speci	and design studies requ ifications and system te	ired for the preparation of test plans
	engineering speci	and design studies requifications and system te	aired for the preparation of test plansest reports.
	PRODUCT: THE PRODUCT OF THIS RI ARTS III Program	and design studies requifications and system te	orts , IS IMPRODED TO SUPPOR
	PRODUCT: THE PRODUCT OF THIS RI ARTS III Program ON OR ABOUT as requ	and design studies requifications and system te	est reports. Sorts, IS INTENDED TO SUPPORT D WILL BE DELIVERABLE TO SRDS
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	PRODUCT: THE PRODUCT OF THIS RI ARTS III Program ON OR ABOUT as required. MILESTONE SCHEDULE: DESCRIPTION	and design studies requifications and system te	est reports. Outs, IS INTENDED TO SUPPORT SUP
	PRODUCT: THE PRODUCT OF THIS RI ARTS III Program ON OR ABOUT as requ MILESTONE SCHEDULE: DESCRIPTION 1. TIPS Enhancem	and design studies requifications and system te	ports, IS INTENDED TO SUPPORE
	PRODUCT: THE PRODUCT OF THIS RI ARTS III Program ON OR ABOUT as requ MILESTONE SCHEDULE: DESCRIPTION 1. TIPS Enhancem	and design studies requifications and system te	ports, IS INTENDED TO SUPPORE

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2. CURRENT NUMBER:	3. REVISION:	4. START DATE:	2000 Visit (1000 V
I 142-171-02	3		8/73
. TITLE OF PROJECT:			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
ARTS III Enhancer	ment (Tampa/Sarasota Remoting	Control activity Section	
. MANAGER/ORGANIZATION		7. REQUIREMENT:	
Donald V. Saunder	rs ARD-120	51493	FAA-ED-14-2A
. PARTICIPATING ORGANI	ZATIONS AND AGREEMENT NUMBERS:		
	ARD-140 NPD #14-129	FA75WA-3631	(CDEE)
b. TSC:	WD #14-125	FA/3WA-3631	(CPFF)
. OBJECTIVE(S):			
	ACCOMPLISHED IN THE POLLOWING MARKER:	Diwb, with contract	t support, will
radar information	stall and test a prototype syn will be remoted to Tampa. In Albert Whitted, Sarasota and	isplay information w	da. Sarasota vill be remoted from
radar information	Towers Albert Whitted, Sarasota and Technical Data Package AND WILL	Display information w St. Petersburg	da. Sarasota rill be remoted from
radar information Tampa to MacDill PRODUCT: THE PRODUCT OF THIS I	Towers Albert Whitted, Sarasota and Technical Data Package AND WILL	Display information was st. Petersburg	nill be remoted from
radar information Tampa to MacDill PRODUCT: THE PRODUCT OF THIS I ARTS Satellite ON OR ABOUT	Towers Albert Whitted, Sarasota and Technical Data Package AND WILL	Display information was st. Petersburg	nill be remoted from
radar information Tampa to MacDill PRODUCT: THE PRODUCT OF THIS I ARTS Satellite ON OR ABOUT	Technical Data Package Towers AND WILL	Display information was a second seco	TATE
radar information Tampa to MacDill PRODUCT: THE PRODUCT OF THIS I ARTS Satellite ON OR ABOUT 5/79 MILESTONE SCHEDULE: DESCRIPTION 1. Begin test a	Technical Data Package Towers AND WILL and evaluation of Remote Tower	Display information was a second seco	DATE 11/78
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_	CENTRAL MACON	3. REVISION:	4. START DATE:
	CURRENT NUMBER: 142-171-03	3. REVISION:	FY-77
	TITLE OF PROJECT:		
		- Sensor Receiver and Process	
5.	MANAGER/ORGANIZATION: R. Ramos	ARD-120	7. REQUIREMENT: FAA-ED-14-2 A
	FARTICIPATING ORGANIZATIO a. NAFEC: ANA-110 ANA-120	c. OTHE	R: UNIVAC DOT FA75WA-3631 (CPFF)
	b. TSC:		
	OBJECTIVE(S):		
	APPROACE:	ers for future radar/beacon an	d automation procurements.
	THIS EFFORT WILL BE ACCOM	PLISHED IN THE FOLLOWING MANNER: SRD	S, with NAFEC and contract support t NAFEC. A new ARTS III tracker
	(ARTS/DABS interface the SRAP II (AMPS/MT) will also be evaluated for p	erformance, when interfaced with
	(ARTS/DABS interface the SRAP II (AMPS/MT PRODUCT:) will also be evaluated for p	erformance, when interfaced with
	(ARTS/DABS interface the SRAP II (AMPS/MT PRODUCT: THE PRODUCT OF THIS RESUM) will also be evaluated for p D) Technical Data Package	erformance, when interfaced with
2.	(ARTS/DABS interface the SRAP II (AMPS/MT PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function) will also be evaluated for p	erformance, when interfaced with
2.	PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function ON OR ABOUT) will also be evaluated for p D) Technical Data Package	erformance, when interfaced with
	PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function ON OR ABOUT 2/79 MILESTONE SCHEDULE:) will also be evaluated for p D) Technical Data Package	erformance, when interfaced with
	PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function ON OR ABOUT) will also be evaluated for p D) Technical Data Package	erformance, when interfaced with
	(ARTS/DABS interface the SRAP II (AMPS/MT PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function ON OR ABOUT) will also be evaluated for p D) Technical Data Package	, IS INTENDED TO SUPPORT
	(ARTS/DABS interface the SRAP II (AMPS/MT PRODUCT: THE PRODUCT OF THIS RESUM advanced ATC function ON OR ABOUT	pecification delivered to AAF	, IS INTENDED TO SUPPORT IVERABLE TO AAF
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TITLE OF PROJECT: Evaluation of Visi			July 1978
Evaluation of visi	hilitu Cuatam (Dunuan Wis		\
MANAGER/ORGANIZATION:	Billy System (Runway Vis		TREMENT:
	ARD-432		l ltr, 5/18/78, to ATA
PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	e. OTHER: Humbo	ldt Co., CA (DOT FA8WA-425)
b. TSC:			
OBJECTIVE(S):			
provide RVR measur	rements down to 150 feet ((50 meters) and	develop a practical RVR
APPROACH:			
	COMPLETED THE METE SOLICITIES HANGE	550. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	
with the addition	of a 40-foot baseline rec	Tasker 500	RVR measuring equipment,
effectiveness for	RVR measurements below 60	00 feet (200 m)	Modified single and dual
baseline RVR syste	ems will be developed and	evaluated to ob	tain a suitable RVR for
PRODUCT:			
THE PRODUCT OF THIS RE	STATE Final Report and S	Specifications	TO THEFENTIED TWO STIPPOPE
Safety and Capaci	ty of NAS		AAF and AFS
		ILL BE DELIVERABLE T	
ON OR ABOUT May 1	.982		
MILESTONE SCHEDULE:			
DESCRIPTION			DATE
1. Report on eva	luation on dual baseline	system	4/80
2. Installation	of modified system for te	est	7/80
3. Final Report			5/82
I S	CBJECTIVE(S): THE LEVEL OF EFFORT ID PROVIDE RVR measure System for Categor APPROACH: THIS EFFORT WILL BE ACT With the addition Effectiveness for CASSELINE RVR system CONTRACTION THE PRODUCT OF THIS RE Safety and Capaci ON OR ABOUT May 1 MILESTONE SCHEDULE: DESCRIPTION 1. Report on evant	CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTERCOPPOSED FOR CATEGORY IIIB Operations. APPROACH: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKS with the addition of a 40-foot baseline recomplished and consideration of the conside	c. OTHER: Humbo b. TSC: CBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTERDED TO: Modify exprovide RVR measurements down to 150 feet (50 meters) and system for Category IIIB Operations. APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER: Tasker 500 with the addition of a 40-foot baseline receiver, will be effectiveness for RVR measurements below 600 feet (200 m). Describe RVR systems will be developed and evaluated to obtain a control operation of the product of this resume, Final Report and Specifications Safety and Capacity of NAS AND WILL BE DELIVERABLE TO DESCRIPTION 1. Report on evaluation on dual baseline system 2. Installation of modified system for test

III 151-462-03

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14. FOOTNOTES:

	URRENT NUMBER:	3. REVISION:	4. 91	ART DATE:
	2-461-01 TTLE OF PROJECT:			
		Weather Forecasting		
	ANAGER/ORGANIZATION:			QUIREMENT:
	thur Hilsenrod,	ARD-451 TIONS AND AGREEMENT NUMBERS:	Progr	ram Plan ED-15-1 (draft)
	. NAFEC:	THE AD MILETER HOUSE.		tional Weather Service, -78WAI-866
ъ.	. TSC:			i i
o. Œ	BJECTIVE(S):			
. <u>A</u>	PPROACE:			
nr				utilizing radar return
	rocessing, plus s	surface and pilot obser		actifizing radar return
2. P	rocessing, plus s	surface and pilot obser Final Report		
2. P	rocessing, plus s RODUCT: HE PRODUCT OF THIS RE	Surface and pilot obser	vations.	, is intended to support
2. <u>PI</u>	RODUCT: HE PRODUCT OF THIS RE Safety and Capac	surface and pilot obser Final Report City of NAS A	vations.	, is intended to support
2. <u>Pi</u> 15: -	RODUCT: HE PRODUCT OF THIS RE Safety and Capac WE OR ABOUTAug 198	surface and pilot obser Final Report City of NAS A	vations.	, is intended to support
2. <u>P</u>	RODUCT: HE PRODUCT OF THIS RE Safety and Capac N OR ABOUTAug 198	surface and pilot obser Final Report City of NAS A	vations.	, is intended to support
- PT - OI - OI - DI	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT Aug 196 HUBSTONE SCHEDULE:	Final Report SIME,	vations.	, is intended to support nws.
2. <u>PT</u>	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT Aug 196 HUBSTONE SCHEDULE:	surface and pilot obser Final Report City of NAS A	vations.	, is intended to support nws.
on Di	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MILESTONE SCHEDULE: RESCRIPTION Final report	Final Report SIME,	TO WILL BE DELIVERABLE	, is intended to support nws.
on Di	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MESTORE SCHEDULE: BESCRIPTION Final report Final report	Final Report SUME, Final Report AN AN AN AN AN AN AN AN AN A	TO WILL BE DELIVERABLE forecasts publis published	, IS INTENDED TO SUPPORT TONWS
1. 2.	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MESTORE SCHEDULE: BESCRIPTION Final report Final report	Final Report SUME, Final Report SILVE OF NAS AP 31 - 0-2 hour thunderstorm - 0-30 minute forecasts	TO WILL BE DELIVERABLE forecasts publis published	DATE shed 8/79 6/80
100 DI 1. 2.	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MESTORE SCHEDULE: BESCRIPTION Final report Final report	Final Report SUME, Final Report SILVE OF NAS AP 31 - 0-2 hour thunderstorm - 0-30 minute forecasts	TO WILL BE DELIVERABLE forecasts publis published	DATE shed 8/79 6/80
100 DI 1. 2.	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MESTORE SCHEDULE: BESCRIPTION Final report Final report	Final Report SUME, Final Report SILVE OF NAS AP 31 - 0-2 hour thunderstorm - 0-30 minute forecasts	TO WILL BE DELIVERABLE forecasts publis published	DATE shed 8/79 6/80
100 DI 1. 2.	RODUCT: HE PRODUCT OF THIS RE Safety and Capac H OR ABOUT MESTORE SCHEDULE: BESCRIPTION Final report Final report	Final Report SUME, Final Report SILVE OF NAS AP 31 - 0-2 hour thunderstorm - 0-30 minute forecasts	TO WILL BE DELIVERABLE forecasts publis published	DATE shed 8/79 6/80
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CURRENT NUMBER:	3. REVISION:		4. START DATE:
11 152-462-01			1974
TITLE OF PROJECT:			
MANAGER/ORGANIZATION	on Weather System (AWES	6) for NAS	7. REQUIREMENT: Aviation Weather
J. Hinkelman, ARD-	-452		Primary Program Plan
PARTICIPATING ORGANIZ A. NAFEC:	ZATIONS AND AGREEMENT MUNBERS	c. OTHE	MSI-DOT FA78WAI-881 DOT FA78WA-4075
b. TSC: PPA 867			
OBJECTIVE(S):			
support, will adap weather to ATC and PRODUCT:	pt existing and new tec		with TSC, NAFEC, and Contractor ensing, forecasting, and reporti
THE PRODUCT OF THIS I	RESUME, Aviation Weathe	er System Spe	CS, IS INTENDED TO SUPPORT
	RESUME, Aviation Weather	er System Spe	
	tion ATC System		
UPGR 3RD Generat	tion ATC System		
UPGR 3RD Generat	tion ATC System		
ON OR ABOUT 10/	tion ATC System		Operating Services
ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION	/80		Operating Services
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi	/80 .		DATE 9/79
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be	inary Design		DATE 9/79 6/80
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
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UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
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UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCHEDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80
UPGR 3RD Generat ON OR ABOUT 10/ MILESTONE SCREDULE: DESCRIPTION 1. System Prelimi 2. System Cost Be 3. System Detaile 4. System Detaile	inary Design enefit Studies		DATE 9/79 6/80 6/80

. CURRENT NUMBER: 3. REVISION:	4. START DATE: Sep 1978
TITLE OF PROJECT: Aviation Weather System Experimental Capabil:	
H. Brody, ARD-470	7. REQUIREMENT: Aviation Weather Plan
. PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	1
a. NAFEC:	e. OTHER: NWS IAA-DOT-FA78WAI-903 RFP-LGM-7-7794
b. TSC:	
OBJECTIVE(S):	
APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKED An "E Complex" will be established as a part appropriately interfaced with the Terminal A Station Laboratory. The System Support Faci	of the en route System Support Facility rea Test Facility and the Flight Service
THE PRODUCT OF THIS RESUME, Aviation Weather System	going Test Reports , IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS RESUME, Aviation Weather System	going Test Reports , IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS RESUME, Aviation Weather System AND W	going Test Reports , IS INTENDED TO SUPPORT
THE PRODUCT OF THIS RESUME, Aviation Weather System ON OR ABOUT 9/80 through 2/81	going Test Reports , IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS RESUME, Aviation Weather System ON OR ABOUT 9/80 through 2/81 MILESTONE SCHEDULE:	going Test Reports , IS INTENDED TO SUPPORT SRDS DATE
PRODUCT: THE PRODUCT OF THIS RESUME, Aviation Weather System ON OR ABOUT 9/80 through 2/81 MILESTONE SCHEDULE: DESCRIPTION	going Test Reports , IS INTENDED TO SUPPORT SRDS DATE
THE PRODUCT OF THIS RESUME, Aviation Weather System ON OR ABOUT 9/80 through 2/81 MILESTONE SCHEDULE: DESCRIPTION 1. Establish "E" desk and sector configurate	going Test Reports , IS INTENDED TO SUPPORT SRDS DATE dion 6/79

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CURRENT NUMBER:	3. REVISTON:	4. START DATE:
III 152-462-04		12/77
TITLE OF PROJECT:		
	cking and Prediction	
MANAGER/ORGANIZATION: J. Hinkelman, ARD-		7. REQUIREMENT:
	ATIONS AND AGREEMENT NUMBERS:	AWES Preliminary Program Plan National Center for Atmospheric
a. NAFEC: N/A		c. OTHER: Research National Severe Storms Labs, Environmental Research an
b. TSC:	/A	Technology, Inc. IA DOT-FA7WAI-
OBJECTIVE(S):		
echnology (ERT), E	Boston, MA (an Air Force	ted with Environmental Research and contractor) to develop and test subject
lgorithms.		id and the Solvenia set as the last of the set of the s
	Software Desi	
PRODUCT:	Such an Dunaman	ign Report
PRODUCT: THE PRODUCT OF THIS R	Such an Dunaman	ign Report , IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80	Such an Dunaman	ign Report , IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE:	Such an Dunaman	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS
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PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE:	Such an Dunaman	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT	Such an Dunaman	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE: DESCRIPTION . Initial Algorit	System Program AND	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS DATE
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE: DESCRIPTION . Initial Algorit	System Program AND	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS DATE 5/79
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THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE: DESCRIPTION	System Program AND	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS DATE 5/79
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE: DESCRIPTION	System Program AND	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS DATE 5/79
PRODUCT: THE PRODUCT OF THIS R Aviation Weather ON OR ABOUT 10/80 MILESTONE SCHEDULE: DESCRIPTION	System Program AND	ign Report , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO SRDS DATE 5/79

CURRENT NUMBER:	3. REVISION:	4. START DATE: 1974	
. TITLE OF PROJECT:			
ppler Weather Rada	r Program	tari en directo de descri	
. MANAGER/ORGANIZATION:		7. REQUIREMENT:	
J. Hinkelman, AF	ATIONS AND AGREEMENT NUMBERS:	,	Weather System
a. NAFEC:		e. OTHER: FAA77WAI-80	
b. TSC:		FAA77WAI-81 FAA77AWI-80	
	dar subsystem for ATC which it to the various ATC fact		Tally upgrade
	earch and development effor		ther Radar area and
erform ongoing reservoide reports on PRODUCT: THE PRODUCT OF THIS R	earch and development efformation findings. Aviation Weather Super AND Section AND Sectin	orts in the Doppler Wea	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS F UGR 3rd Generatio	earch and development efformation findings. Aviation Weather Super AND Section AND Sectin	orts in the Doppler Wea	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R UGR 3rd Generatio ON OR ABOUT AS COMP	earch and development efformation findings. Aviation Weather Super AND Section AND Sectin	orts in the Doppler Wea	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R UGR 3rd Generatio ON OR ABOUT as COMP MILESTONE SCHEDULE: DESCRIPTION	earch and development efforment efforment findings. Aviation Weather Super AND Weat	orts in the Doppler Wea	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R UGR 3rd Generatio ON OR ABOUT as comp MILESTONE SCHEDULE: DESCRIPTION epresentative Mile	earch and development efforment efforment findings. Aviation Weather Super AND Weat	opport, is	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R UGR 3rd Generatio ON OR ABOUT AS COMP MILESTONE SCHEDULE: DESCRIPTION Representative Mile	earch and development efformation findings. Aviation Weather Super AND Volume AND Volume Stones:	opport, is AAT Coordinated	INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS F UGR 3rd Generatio ON OR ABOUT as comp MILESTONE SCHEDULE: DESCRIPTION epresentative Mile Report, Storm E	earch and development efformations. Aviation Weather Sugar AND was a stones: Stones:	port, IS TIL BE DELIVERABLE TO AAT - Coordinated Radars - Coordinated	INTENDED TO SUPPORT VAAF DATE 12/78
PRODUCT: THE PRODUCT OF THIS R UGR 3rd Generatio ON OR ABOUT AS COMP MILESTONE SCREDULE: DESCRIPTION Report, Storm E Report, Rules f Correlation Bet	earch and development efformation of the findings. Aviation Weather Sugar AND with the following and the findings and the findings are sugar as a second se	port, IS TIL BE DELIVERABLE TO AAT - Coordinated Radars - Coordinated	INTENDED TO SUPPORT VAAF DATE 12/78 1/79

Research and			
CURRENT NUMBER:	3. REVISION:	4. START	DATE:
III 153-451-01		June :	1973
Aviation Automated	Weather Observation Syst	tem (AV-AWOS)	
MANAGER/ORGANIZATION	· Temperatur - I	7. REQUIR	DANT:
Eric Mandel, ARD-4	152	FSS Auto	omation Program Plan
PARTICIPATING ORGANI: . NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	e. OTTER: NWS FA7	3WAI-394
b. TSC:	nggerger value		
OBJECTIVE(S):			1500000
APPROACE: THIS EFFORT WILL BE	accomplished in the following ma	ANER:	
Service via an Int	teragency Agreement.	ions in conjunction	with the national neath
PRODUCT:			, IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS I	RESUME, Enhancement of AV-AN		
PRODUCT:	RESUME, Enhancement of AV-AN	WOS Spec	, is intended to support
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March	RESUME, Enhancement of AV-AN	WOS Spec	, is intended to support
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March	RESUME, Enhancement of AV-AN	WOS Spec	_, IS INTENDED TO SUPPORT Operating Services
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March	RESUME, Enhancement of AV-AN	WOS Spec	_, is intended to support
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION	RESUME, Enhancement of AV-AN	WOS Spec	_, IS INTENDED TO SUPPORT Operating Services
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION	RESUME, Enhancement of AV-AN AND 1980 A Package to AAF and present weather detections and present weather detections and present weather detections.	WOS Spec	, IS INTENDED TO SUPPORT Operating Services
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN AND 1980 A Package to AAF and present weather detections and present weather detections and present weather detections.	WOS Spec	DATE 4/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	DATE 4/79 12/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	DATE 4/79 12/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	DATE 4/79 12/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	DATE 4/79 12/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	Operating Services DATE 4/79 12/79
PRODUCT: THE PRODUCT OF THIS I FSS Automation ON OR ABOUT March MILESTONE SCHEDULE: DESCRIPTION 1. Technical Data 2. Thunderstorm a system develor	RESUME, Enhancement of AV-AN Program AND 1980 A Package to AAF and present weather detected	WOS Spec	DATE 4/79 12/79

Research and Technology Resul	
CURRENT NUMBER: 3. REVISION: II 153-451-02	4. START DATE:
TITLE OF PROJECT: automated Low Cost Weather Observation Sys	stem (ALWOS)
MANAGER/ORGANIZATION:	7. REQUIREMENT: Aviation Weather Plan
PARTICIPATING ORGANIZATIONS AND AGRESMENT NUMBERS: a. NAFEC:	c. OTHER: NWS FA78WAI-872 FA78WAI-4075
b. TSC:	MITRE
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS I OW activity general aviation airports, pr nstrument approach procedures.	DYESTOED TO: Provide weather observations at rimarily those with approved standard
PRODUCT: THE PRODUCT OF THIS RESUME,Technical Data P	
THE PRODUCT OF THIS RESUME, Technical Data P	Package , IS INTENDED TO SUPPORT AND WILL BE DELIVERABLE TO Operating Services
THE PRODUCT OF THIS RESIME, Technical Data P ALWOS ON OR ABOUT April 1980	
THE PRODUCT OF THIS RESIME, Technical Data P ALWOS ON OR ABOUT April 1980	
THE PRODUCT OF THIS RESIME, Technical Data P ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION	AND WILL BE DELIVERABLE TO Operating Services
THE PRODUCT OF THIS RESIME, Technical Data P ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test	DATE 12/79
ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test Operational Demonstration and Evaluation	DATE 12/79
ALWOS A ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test Operational Demonstration and Evaluating	DATE 12/79 ion 1/80
ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test Operational Demonstration and Evaluation	DATE 12/79 ion 1/80
ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test Operational Demonstration and Evaluation	DATE 12/79 ion 1/80
THE PRODUCT OF THIS RESUME, Technical Data P ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test	DATE 12/79 ion 1/80
ALWOS ON OR ABOUT April 1980 MILESTONE SCHEDULE: DESCRIPTION ALWOS Ready for Test C. Operational Demonstration and Evaluation	DATE 12/79 ion 1/80

CURRENT NUMBER:	3. REVISION:	4. START DATE:
III 153-451-03		April 1978
TITLE OF PROJECT:	and the second	AND REPORTS THE PROPERTY OF THE PARTY OF THE PARTY.
	cice Equipment (WAVE) for Gener	
. MANAGER/ORGANIZATION: Eric Mandel, ARD-45		7. REQUIREMENT: 9550 #AFS-700-78-1
. PARTICIPATING ORGANIZ a. NAFEC:	ATTOMS AND AGREEMENT NUMBERS:	OTHER:
b. TSC:	2855A	
. OBJECTIVE(S):		
for commercial syst		n airports; criteria for standards uridictions, and TDP for possible
APPROACH:		
		RDS will test, evaluate, and demonstra
WAVE system; develo	p criteria for standards; and	prepare TDP.
. PRODUCT:		
	Technical Data Package	. IS INTENDED TO SUPPORT
THE PRODUCT OF THIS P	or General Aviation	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS R	or General Aviation AND WILL B	, IS INTERDED TO SUPPORT
THE PRODUCT OF THIS P	or General Aviation AND WILL B	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS R WAVE f	or General Aviation AND WILL B	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS R WAVE f	or General Aviation AND WILL B	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION	or General Aviation AND WILL B	DATE
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION L. Publish Advisor	for General Aviation AND WILL B	DATE
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION Publish Advisor	for General Aviation AND WILL B	DATE 12/78
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THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
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THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor	for General Aviation AND WILL B	DATE 12/78
THE PRODUCT OF THIS R WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor 2. TDP Complete	1979 Ty Circular for Commercial WAVE	DATE 12/78 4/79
WAVE f ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION 1. Publish Advisor 2. TDP Complete	for General Aviation AND WILL B	DATE 12/78 4/79

RD FORM 79-1 TEST 9/15/78

CURRENT NUMBER:	3. REVISION:	4. START DATE: Oct 1, 1978
. TITLE OF PROJECT: est Thunderstorm D	Detector at Approach Cor	
. MANAGER/ORGANIZATION		7. REQUIREMENT:
ric Mandel, ARD-45		AWES EDPP
a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS	e. OTHER:
b. TSC:		
. OBJECTIVE(S):		
THE LEVEL OF EFFORT	IDENTIFIED IN THIS RESUME IS :	IMPENDED TO: Provide a thunderstorm detector
		storms and display this information graphical
n a CRT.		
APPROACH:		
THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING	MANNER: Procure a thunderstorm detector and
	ion with the NSSL in Ok	
DECINITION.		
	a Technical Data	a Package
THE PRODUCT OF THIS	resume,	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS I	ocurement	AND WILL BE DELIVERABLE TO AAF
THE PRODUCT OF THIS	ocurement	, IS INTENDED TO SUPPORT
POSSIBLE FAE pr	ocurement	, IS INTENDED TO SUPPORT
possible F&E pr	ocurement	, IS INTENDED TO SUPPORT
POSSIBLE FAE promoter of this is possible FAE promoter of About April	ocurement	, IS INTENDED TO SUPPORT
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April 3. MILESTONE SCHEDULE: DESCRIPTION	ocurement	AND WILL BE DELIVERABLE TO AAF DATE
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION	ocurement	AND WILL BE DELIVERABLE TOAAF
possible F&E pr on or ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued	ocurement	AND WILL BE DELIVERABLE TO DATE 11/78
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued	ocurement	AND WILL BE DELIVERABLE TO AAF DATE
possible F&E pr on or ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued	ocurement	AND WILL BE DELIVERABLE TO DATE 11/78
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	ocurement	DATE 11/78 3/79 5/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Completé TDP Complete	Cocurement 1980	DATE 11/78 3/79 5/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pronounce on ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete TDP Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April B. MILESTONE SCHEDULE: DESCRIPTION 1. PRS Issued 2. Begin Test 3. Tests Complete 4. TDP Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April B. MILESTONE SCHEDULE: DESCRIPTION 1. PRS Issued 2. Begin Test 3. Tests Complete 4. TDP Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80
THE PRODUCT OF THIS I possible F&E pr ON OR ABOUT April MILESTONE SCHEDULE: DESCRIPTION PRS Issued Begin Test Tests Complete	Cocurement 1980	DATE 11/78 3/79 5/80 4/80

Win MAI	154-451-01 TLE OF PROJECT: and Shear Characterization NAGER/ORGANIZATION: G. Tinsley PRICIPATING ORGANIZATIONS AND AGREEMENT NAFEC:	7. REQUIREMENT: E&D Program Plan ARD-480 Wind Shear FAA-ED-15-2A
Win MAI	nd Shear Characterization NAGER/ORGANIZATION: G. Tinsley PRICIPATING ORGANIZATIONS AND AGREEMENT NAFEC:	ARD-480 Wind Shear FAA-ED-15-2A
H. PAF	NAGER/ORGANIZATION: G. Tinsley PTICIPATING ORGANIZATIONS AND AGREEMENT NAFEC:	ARD-480 Wind Shear FAA-ED-15-2A
b.	PTICIPATING ORGANIZATIONS AND AGREEMENT NAFEC:	ARD-480 Wind Shear FAA-ED-15-2A
b.	NAFEC:	
		T NUMBERS: c. OTHER: NOAA-IAA FA76WAI-622
		NASA-1AA FA76WA1-620
o. OBJ	TSC:	
	JECTIVE(S):	1,000
THE CO	PROACE: IS EFFORT WILL BE ACCOMPLISHED IN THE POLICE and analyze data and pre-	FOLLOWING MARKER: SRDS, with contract support, will epare reports on wind shear profiles and gust
	e Wind Shear Development Progra	, IS INTENDED TO SUPPORT
	OR ABOUT 11/78 .	AND WILL BE DELIVERABLE TOAFS/AED/NWS
3. <u>MI</u>	OR ABOUT 11/78.	
DES	OR ABOUT 11/78 LESTONE SCHEDULE: SCRIPTION	DATE t data analysis and verification 11/78
DES	OR ABOUT 11/78 LESTONE SCREDULE: SCRIPTION inal report on CY-77 gust front	DATE t data analysis and verification 11/78
DES	OR ABOUT 11/78 LESTONE SCREDULE: SCRIPTION inal report on CY-77 gust front	DATE t data analysis and verification 11/78
DES	CR ABOUT 11/78 LESTONE SCHEDULE: SCRIPTION Inal report on CY-77 gust front 3-dimensional gust front mode	DATE t data analysis and verification 11/78
DES	CR ABOUT 11/78 LESTONE SCHEDULE: SCRIPTION Inal report on CY-77 gust front 3-dimensional gust front mode	DATE t data analysis and verification 11/78

And the second s

	CURRENT NUMBER: 3. REVISION:	4. START DATE:
1	II 154-451-02	4/76
	TITLE OF PROJECT:	4870000
_	Wind Shear Hazard Definition Studies	
5.	MANAGER/ORGANIZATION:	7. REQUIREMENT: E&D Program Plan
0.	H. G. Tinsley ARD-480 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS:	Wind Shear FAA-ED-15-2A
	a. NAFEC:	c. OTHER: NASA - Ames
_	NPD 15-480 ANA-430	laa fa 76Wai-62l
	b. TSC:	VITRO FA72WA-3010
0.	OBJECTIVE(S):	
ı.	thresholds necessary for sensor develop APPROACE:	s and general aviation aircraft to provide oment and system operation.
		MARKER: SRDS, with contract and NAFEC support,
		fast time simulation, analyze accident data stance and severity of wind shear and type
2.	to establish a correlation between exist of aircraft. PRODUCT:	
2.	to establish a correlation between exist of aircraft. FRODUCT: THE PRODUCT OF THIS RESUME, Report	stance and severity of wind shear and type
2.	to establish a correlation between exist of aircraft. PRODUCT: THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program	stance and severity of wind shear and type
	to establish a correlation between exist of aircraft. PRODUCT: THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT	stance and severity of wind shear and type
	to establish a correlation between exist of aircraft. PRODUCT: THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program	stance and severity of wind shear and type
	to establish a correlation between exist of aircraft. PRODUCT: THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT	stance and severity of wind shear and type
	PRODUCT: THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT	stance and severity of wind shear and type
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
13.	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	THE PRODUCT OF THIS RESUME, Report Wind Shear Development Program ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	, IS INTENDED TO SUPPORT SRDS/AFS DATE

. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 154-451-03		7/76
TITLE OF PROJECT:		
Ground-Based Win	nd Shear Sensor Development	
. MANAGER/ORGANIZATION:		7. REQUIREMENT: E&D Program Plan
H. G. Tinsley PARTICIPATING ORGANIZ	ARD-480 CATIONS AND AGREEMENT NUMBERS:	Wind Shear FAA-ED-15-2A
a. NAFEC:	c. OT	CR:
ANA-410 1	NPD 15-44	514A-108
b. TSC:		
TSC-412 PPA-FA	A-942	
APPROACE:	ACCOMPLISHED IN THE FOLLOWING MANNER: VAR	ious sensors and laser techniques
will be compared PRODUCT: THE PRODUCT OF THIS R	d with accepted tower standards a	nd with each other.
PRODUCT: THE PRODUCT OF THIS R Wind Shear Develo	MESUME, System Specification Report	nd with each other.
PRODUCT: THE PRODUCT OF THIS R Wind Shear Develo ON OR ABOUT 10/79	MESUME, System Specification Report	ts, IS INTERDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R Wind Shear Develo ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	RESUME, System Specification Report	ts, IS INTENDED TO SUPPORT ELIVERABLE TOAAF/AFS/AED
PRODUCT: THE PRODUCT OF THIS R Wind Shear Develo ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	MESUME, System Specification Report	ts, IS INTERDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS R Wind Shear Develo ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Decision on m	RESUME, System Specification Report	ts, IS INTENDED TO SUPPORT ELIVERABLE TOAAF/AFS/AED
FRODUCT: THE PRODUCT OF THIS R WIND Shear Develo ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Decision on m 2. Interim NAFEO	mesume, System Specification Report comment Program AND WILL BE Do most suitable ground sensor c report on pulse Doppler radar - T and E of a combined p.j. ane	ts, IS INTERDED TO SUPPORT ELIVERABLE TO
will be compared FRODUCT: THE FRODUCT OF THIS R Wind Shear Develo ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Decision on m 2. Interim NAFEO 3. Final Report	mesume, System Specification Report comment Program AND WILL BE Do most suitable ground sensor c report on pulse Doppler radar - T and E of a combined p.j. ane	TATE 10/78 mometer, gust

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		START DATE:		3. REVISION:	RRENT NUMBER:	2.
Wind Shear Airborne Studies and Development MANAGER/ORGANIZATION: H. G. Tinsley ARD-480 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: C. OTHER: D. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to		11/75			4-451-04	11
H. G. Tinsley ARD-480 Wind Shear FAA-ED-15-2 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: c. OTHER: D. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to					TLE OF PROJECT:	5.
H. G. Tinsley ARD-480 Wind Shear FAA-ED-15-2 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: c. OTHER: D. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to			nt	ne Studies and Developmen	nd Shear Airborn	1
H. G. Tinsley ARD-480 Wind Shear FAA-ED-15-2 PARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: a. NAFEC: c. OTHER: D. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to	Plan	E&D Program P			NAGER/ORGANIZATION:	5.
a. NAFEC: c. OTHER: b. TSC: D. OBJECTIVE(S): THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to		Wind Shear FAA-ED-15-2A			G. Tinsley	1
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to			c. OTH	ATIONS AND AGREEMENT NUMBERS:		
THE LEVEL OF EFFORT IDENTIFIED IN THIS RESUME IS INTENDED TO: provide improved aircraft coduring wind shear encounters; improved communication of wind shear data to	100				TSC:	
during wind shear encounters; improved communication of wind shear data to					JECTIVE(S):	0.
1. APPROACE:		ring approach.	encounte	: avoidance of wind shear		1.
THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MARKER: \$RDS, with NAFEC support, will procedures and airborne systems which have a potential for providing an airb solution to the wind shear problem.				irborne systems which have	rocedures and ai	
THE PRODUCT OF THIS RESUME, Reports with Specification , IS INTERDED TO SU	PORT	, is invended to support to support		opment Program AND	E PRODUCT OF THIS RE	
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79					LESTONE SCHEDULE:	3.
wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79		DATE			SCRIPTION	
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 MILESTONE SCHEDULE:		12/78		se IV simulation		
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 B. MILESTONE SCHEDULE: DESCRIPTION DATE					. Report on Phas	
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 B. MILESTONE SCHEDULE: DESCRIPTION DATE 1. Report on Phase IV simulation 12/78		1/79				
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 B. MILESTONE SCHEDULE: DESCRIPTION DATE		12/79		for airborne sensors		
Wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION DATE 1. Report on Phase IV simulation 12/78 2. Develop specs for airborne sensors 1/79			ced		. Develop specs	
wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 3. MILESTONE SCHEDULE: DESCRIPTION DATE 1. Report on Phase IV simulation 12/78 2. Develop specs for airborne sensors 1/79			ed		. Develop specs	
wind Shear Development Program AND WILL BE DELIVERABLE TO SRDS ON OR ABOUT 12/79 3. MILESTONE SCHEDULE: DESCRIPTION DATE 1. Report on Phase IV simulation 12/78 2. Develop specs for airborne sensors 1/79			ced		. Develop specs	

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mescaren and	Technology Resume	1. DATE OF RESUME: 10/1/78
CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 154-451-05		1/76
TITLE OF PROJECT:		
Wind Shear Data		grand for an indianal arrange of the last a
MANAGER/ORGANIZATION:		7. REQUIREMENT: ED Program Plan
H. G. Tinsley	Property States and St	Wind Shear FAA-ED-15-2A
	ATIONS AND AGREEMENT NUMBERS:	
a. NAFEC: ANA-430 ANA-410		c. OTHER: Drexel University FAA-77WA-3938 VITRO Labs FA 72WA-3010
b. TSC:		
OBJECTIVE(S):		L
will support imp	proved wind shear forecast	DED TO: develop a wind shear climatology wh ing techniques.
APPROACE:		
		R: SRDS, with NAFEC end contract support distribution to any activity desiring
	ear. Software program will analysis of stored data.	l be developed to provide parametric
and statistical	analysis of stored data.	
PRODUCT:		
PRODUCT:		
THE PRODUCT OF THIS R	ESUME, <u>Wind Shear Data Bas</u>	
	ology	Se, IS INTENDED TO SUPPORT SRDS
THE PRODUCT OF THIS R	ology	SRDS
THE PRODUCT OF THIS R Wind Shear Climat ON OR ABOUT 2/79	ology	SRDS
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-	esearch and		
,	CURRENT NUMBER:	3. REVISION:	4. START DATE: 10/76
	154-451-06		
	TITLE OF PROJECT:	em Integration into NAS	
	MANAGER/ORGANIZATION		7. REQUIREMENT: E&D Program Plan
			Wind Shear FAA-ED-15-2 A
	H. Tinsley PARTICIPATING ORGANI	ZATIONS AND AGREEMENT NUMBERS:	
	a. NAFEC:	c. OTHE	R:
,	b. TSC:		
. (OBJECTIVE(S):		
1	THE LEVEL OF EFFORT	IDENTIFIED IN THIS RESUME IS INTENDED TO: im	prove the techniques for terminal
1		wind shear and develop procedures t	
-	into NAS.		
. ,	A DIDDOA OU.		
	APPROACE:		
		ACCOMPLISHED IN THE FOLLOWING MANNER: SRDS techniques to provide the most cost	
			effective and feffable method
1	for forecasting	and integrating wind shear data in	
1	for forecasting	and integrating wind shear data in	
1	for forecasting	and integrating wind shear data in	
		and integrating wind shear data in	
. <u>I</u>	PRODUCT:		to the system.
· <u>I</u>	PRODUCT: THE PRODUCT OF THIS	RESUME, Report	, IS INTENDED TO SUPPORT
2. <u>I</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste	RESUME, Report em Development AND WILL BE DE	, IS INTENDED TO SUPPORT
2. <u>I</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT8/80	RESUME, Report em Development AND WILL BE DE	, IS INTENDED TO SUPPORT
· <u>I</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste	RESUME, Report em Development AND WILL BE DE	, IS INTENDED TO SUPPORT
· I	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT8/80	RESUME, Report em Development AND WILL BE DE	, IS INTENDED TO SUPPORT
2. <u>I</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION	RESUME, Report em Development AND WILL BE DE	, IS INTENDED TO SUPPORT AAF/AAT DATE
22. <u>I</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and	RESUME, Report em Development AND WILL BE DET O alysis to refine operational requir	, IS INTENDED TO SUPPORT AAF/AAT DATE
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	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development AND WILL BE DET allysis to refine operational requir system architecture for various	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
22- <u>1</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
22- <u>1</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
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22- <u>1</u>	PRODUCT: THE PRODUCT OF THIS Wind Shear Syste ON OR ABOUT 8/80 MILESTONE SCHEDULE: DESCRIPTION 1. Initiate and 2. Recommended classes of a	RESUME, Report em Development and WILL BE DET allysis to refine operational requir system architecture for various airports	, IS INTENDED TO SUPPORT AAF/AAT DATE ement 10/78
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	CURRENT NUMBER:	3. REVISION:	4. START DATE:	
	181-520-01	J. 12.222.	4/78	
_	TITLE OF PROJECT:			
	Anti-Misting Ke	rosene		
	MANAGER/ORGANIZATION		7. REQUIREMENT: FAA-ED-18-1 A	
	John Van Dyke		AFS letter dtd. 7/15/78	
	PARTICIPATING ORGANI . NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	lt .	
•	b. TSC:			
).	OBJECTIVE(S):			
		IDENTIFIED IN THIS RESUME IS INTENDED TO: YOU fireball when fuel is released during		
	AFPROACH:			
			tibilitus with aircoraft anainas	
. 1	and fuel systems			
. !	PRODUCT: THE PRODUCT OF THIS revised regulato		ria, is intended to support	
. !	PRODUCT: THE PRODUCT OF THIS : revised regulato ON OR ABOUT 9/84	RESUME, <u>proposed certification critery</u>	ria, is intended to support	
. 1	PRODUCT: THE PRODUCT OF THIS: revised regulato ON OR ABOUT 9/84	RESUME, <u>proposed certification critery</u>	ria, is intended to support	
.]	PRODUCT: THE PRODUCT OF THIS : revised regulato ON OR ABOUT 9/84	RESUME, <u>proposed certification critery</u>	ria, is intended to support	
. !	PRODUCT: THE PRODUCT OF THIS: revised regulato ON OR ABOUT 9/84 MILESTONE SCHEDULE:	RESUME, proposed certification critery standards for fuel AND WILL BE DELI	ria , is intended to support VERABLE TOAFS-1 DATE	
· !	PRODUCT: THE PRODUCT OF THIS: revised regulato ON OR ABOUT 9/84 MILESTONE SCHEDULE: DESCRIPTION 1. Complete la fire resist	RESUME, proposed certification critery standards for fuel AND WILL BE DELI	ria , is intended to support VERABLE TOAFS-1 DATE	
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Research and		10/1/78
CURRENT NUMBER:	3. REVISION:	4. START DATE:
181-521-01 TITLE OF PROJECT:		6/29/74
	s fire characteristics of	Myangport Cabin
MANAGER/ORGANIZATIO	ss fire characteristics of ON:	7. REQUIREMENT:
C. Troha	ARD-520	9550 No. AFS-100-76-150
	IZATIONS AND AGREEMENT NUMBERS:	The Transfer of
a. NAFEC:		c. OTHER: NASA JSC ^I /A FA78WAI-853 UDRI FA74WA-3532
b. TSC:	NPD 18-471	0.000
OBJECTIVE(S):		
will develop mo	del using basic theoretica	NAMER: SRDS with NAFEC and contract support al heat transfer and gas dynamic equations;
	sing previous 1968 AIA cab: a from full-scale tests pe	in fire tests; validate the cabin-fire
model using date PRODUCT: THE PRODUCT OF THIS		in fire tests; validate the cabin-fire erformed by NASA-JSC. Users Guide, IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS Model perdictive	RESUME, Tech. Reports and I	in fire tests; validate the cabin-fire erformed by NASA-JSC. Users Guide, IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS Model perdictiv	RESUME, Tech. Reports and I	in fire tests; validate the cabin-fire erformed by NASA-JSC. USERS Guide, IS INTENDED TO SUPPORT DESCRIPTION OF THE DELIVERABLE TO AFS
PRODUCT: THE PRODUCT OF THIS Model perdictiv ON OR ABOUT 9/79 MILESTONE SCHEDULE:	RESUME, Tech. Reports and I	in fire tests; validate the cabin-fire erformed by NASA-JSC. Users Guide, IS INTENDED TO SUPPORT
PRODUCT: THE PRODUCT OF THIS Model perdictiv ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Complete val	RESUME, Tech. Reports and In regulatory process	in fire tests; validate the cabin-fire erformed by NASA-JSC. Users Guide, IS INTENDED TO SUPPORT D WILL BE DELIVERABLE TO AFS DATE 1/78
PRODUCT: THE PRODUCT OF THIS Model perdictiv ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Complete val	RESUME, Tech. Reports and I	in fire tests; validate the cabin-fire erformed by NASA-JSC. USers Guide, IS INTENDED TO SUPPORT D WILL BE DELIVERABLE TO AFS DATE
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. CURRENT NUMBER:	3. REVISION:	14	. START DATE:
IV181-521-03			10/78
. TITLE OF PROJECT:			
Cabin Fire Manag MANAGER/ORGANIZATION			. REQUIREMENT:
C. Troha	ARD-520		Cabin Fire Safety Program
	ZATIONS AND AGREEMENT NUMBERS:		Cabin Fire Safety Flogram
a. NAFEC:		c. OTHER:	
b. TSC:			
. OBJECTIVE(S):			
THE LEVEL OF EFFORT	IDENTIFIED IN THIS RESUME IS INT	ENDED To: impr	cove emergency escape time for
	rew in cabin fire situati		
. APPROACH:			
			ill investigate detection and re hardening concepts, and
crew/passenger p	rotection. Suggested cri		
hazard will be d			
nazara wili be a	leveloped.		
nazara wili be d	eveloped.		
inzura wili be d	leveloped.		
	leveloped.		
PRODUCT:	RESUME, Technical report		, is introded to support
· PRODUCT:	RESUMS, <u>Technical report</u>		, is intended to support
PRODUCT:	RESIME, <u>Technical report</u>		
- PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT11/81	RESIME, <u>Technical report</u>		
- PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT11/81	RESIME, <u>Technical report</u>		RABLE TO AFS-1
PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION	RESUMB, <u>Technical report</u> process AND) WILL BE DELIVE	PARE TO AFS-1
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PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION 1. Define con	RESUMB, <u>Technical report</u> process AND	WILL BE DELIVE	PARE TO AFS-1
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THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION 1. Define con 2. Full-scale	resums, <u>Technical report</u> process AND cepts for evaluation and	WILL BE DELIVE	DATE 10/79
PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION 1. Define con 2. Full-scale	cepts for evaluation and	WILL BE DELIVE	PATE 10/79 11/80
PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION 1. Define con 2. Full-scale	cepts for evaluation and	WILL BE DELIVE	PATE 10/79 11/80
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PRODUCT: THE PRODUCT OF THIS: AFS regulatory ON OR ABOUT 11/81 MILESTONE SCHEDULE: DESCRIPTION 1. Define con 2. Full-scale	cepts for evaluation and	WILL BE DELIVE	PATE 10/79 11/80

2.	CURRENT NUMBER:	3. REVISION:	4.	START DATE:
	181-521-05			3/73
	TITLE OF PROJECT:			3/13
	Develop Toxic Gas	s Emissions Criteria for Ca	abin Interi	or Materials
	MANAGER/ORGANIZATION:			REQUIREMENT:
	R. C. McGuire	ARD-520		ED-18-1A
•	PARTICIPATING ORGANIZ a. NAFEC: ANA-420	ATIONS AND AGREEMENT NUMBERS: NPD #18-471	c. OTHER:	
	b. TSC:			
	OBJECTIVE(S):			
		als used in aircraft cabin	interiors.	
	APPROACH:			
	THIS EFFORT WILL BE A	COMPLISHED IN THE FOLLOWING MANN	ER: SRDS, wi	th NAFEC support, will conduct
•	PRODUCT:	effect of different materia	als, areas,	th NAFEC support, will conduct etc. on cabin fire environment
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces	effect of different materia	als, areas,	etc. on cabin fire environment
	PRODUCT: THE PRODUCT OF THIS R rulemaking process ON OR ABOUT 12/78	effect of different materia	als, areas,	etc. on cabin fire environment
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78	effect of different materia	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS
	PRODUCT: THE PRODUCT OF THIS R rulemaking process ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	ESIME, Criteria Reports ss for cabin fire safety	als, areas,	etc. on cabin fire environment
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	ESIME, Criteria Reports ss for cabin fire safety	als, areas,	etc. on cabin fire environmen , IS INTRODED TO SUPPORT RABLE TOAFS
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE
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	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE
	PRODUCT: THE PRODUCT OF THIS R rulemaking proces ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION Final report to A	Criteria Reports ss for cabin fire safety AND W	als, areas,	etc. on cabin fire environment , IS INTENDED TO SUPPORT RABLE TOAFS DATE

CURRENT NUM	BER:	3. REVISION:			4. START DAT	E:	
v 181-521-0	7				12/75		
. TITLE OF PR	OJECT:						
		ia to Rank Cabin	Material	for Tota			
6. MANAGER/ORG		100 F20			7. REQUIREME		
R. C. McG		ARD-520 IONS AND AGREEMENT N	TAMERO. I		9550 No	AFS-100-7	6-150
a. NAFEC:	NG ORGANIZAT	IONS AND AGREEMENT N	IUMBERS:	c. OTHER:	Douglas	Aircraft	
b. TSC:							
O. OBJECTIVE(S):						
for ranki	ng materia	als as they rela	ate to airo	craft cab	in fires.		
develop m	WILL BE ACC	OMPLISHED IN THE FOL	LOWING MANNE	R: SRDS,	with contra	act support,	will
una vulla	ate this r		combined .	azaru II	dex for far		
2. PRODUCT:	ate this r	method.	COMPARION .	iazaru II	dex for fal		
PRODUCT:	of THIS RES	method.			<u> </u>	is intended to	
PRODUCT: THE PRODUCT requilator	OF THIS RES	ME, Report for cabin fire	AND WI		<u> </u>	is intended to	
PRODUCT:	OF THIS RES	ME, Report for cabin fire			<u> </u>	is intended to	
PRODUCT: THE PRODUCT requilator	OF THIS RES	ME, Report for cabin fire	AND WI		<u> </u>	is intended to	
PRODUCT: THE PRODUCT regulator ON OR ABOUT	OF THIS RES	ME, Report for cabin fire	AND WI		<u> </u>	IS INTENDED TO AFS	
PRODUCT: THE PRODUCT requilator ON OR ABOUT MILESTONE SO DESCRIPTION	OF THIS RES	ME, Report for cabin fire	AND WI		<u> </u>	IS INTENDED TO AFS DATE	O SUPPORT
PRODUCT: THE PRODUCT requilator ON OR ABOUT MILESTONE SO DESCRIPTION	OF THIS RES	ME, Report for cabin fire	AND WI		<u> </u>	IS INTENDED TO AFS	O SUPPORT
PRODUCT: THE PRODUCT requilator ON OR ABOUT MILESTONE S. DESCRIPTION 1. Report	OF THIS RES	ME, Report for cabin fire	and wissafety		<u> </u>	IS INTENDED TO AFS DATE	O SUPPORT
PRODUCT: THE PRODUCT requilator ON OR ABOUT MILESTONE S. DESCRIPTION 1. Report	OF THIS RES	ME, Report for cabin fire	and wissafety		<u> </u>	IS INTENDED TO AFS DATE 3/79	O SUPPORT

-	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	181-521-09		1/1/76
	TITLE OF PROJECT:	ircraft Emergency Lighting	
	MANAGER/ORGANIZATION:		7. REQUIREMENT:
	. C. McGuire	ARD-520	9550 #AFS-100-76-151
	a. NAFEC:	TIONS AND AGREEMENT MUNBERS: PD #18-471	OTHER: CAMI - AAC-119
	b. TSC:		
	OBJECTIVE(S):		
	APPROACE:		g concepts improve exit conspicuity.
•	ALT MORCEL.		
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING MARKER:	SRDS, with NAFEC and CAMI support, wi
	evaluate performa	COMPLISHED IN THE FOLLOWING MARKER: nce of emergency interior cab ditions, i.e. dark night and	in lighting and exit marking standard
	evaluate performa under adverse con	nce of emergency interior cab ditions, i.e. dark night and	in lighting and exit marking standard
	evaluate performa under adverse con PRODUCT: THE PRODUCT OF THIS RE	nce of emergency interior cab ditions, i.e. dark night and Technical Report	in lighting and exit marking standard black smoke.
	evaluate performa under adverse con PRODUCT: THE PRODUCT OF THIS RE	nce of emergency interior cab ditions, i.e. dark night and sume, Technical Report	, is intended to support B DELIVERABLE TOAFS
	PRODUCT: THE PRODUCT OF THIS REE emergency interio ON OR ABOUT 10/79	nce of emergency interior cab ditions, i.e. dark night and sume, Technical Report	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79	nce of emergency interior cab ditions, i.e. dark night and sume, Technical Report	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS REEMERGENCY INTERIOR SCHEDULE: DESCRIPTION	nce of emergency interior cab ditions, i.e. dark night and sume, Technical Report	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior cab ditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL for transport aircraf	in lighting and exit marking standards black smoke.
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	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standard black smoke.
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	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standards black smoke.
	PRODUCT: THE PRODUCT OF THIS RE emergency interio ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test cabin ex	nce of emergency interior calditions, i.e. dark night and SME, Technical Report r lighting criteria AND WILL of for transport aircraft it signs and advanced systems	in lighting and exit marking standards black smoke.

2. CURRENT		3. REVISION:			START DATE:			1.100
IV 181-52				<u> </u>	1/76	-		-
Develo	p Cabin Fir	e Safety Criteria						
MANAGER/	ORGANIZATION:			7.	REQUIREMENT	9550s	ARD-5	00-76-1
	McGuire	ARD-520 TIONS AND AGREEMENT NUMBERS		<u> </u>	AFS-100-7	6-150	ARD-5	00-75-1
a. NAFE		TOR ALL ADMENTERS NORDERS	c. OTHE	R:	CAMI			
ANA-4		PD 18-471						
b. TSC:								
. OBJECTIV	E(S):		!					
. APPROACH	;							
THIS EFF	ORT WILL BE ACC	COMPLISHED IN THE FOLLOWING cabin fire test facili co base regulations or	ity, test, e	valua				Contract of Contra
THIS EFF develo levels 2. FRODUCT:	ORT WILL BE ACCOME A COME OF THIS RES	abin fire test facili	ity, test, en cabin safen	valua ty.	te and re	commend	perfo	rmance
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IV 181-521-10

ARD-520 ARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: NAFEC:	10/1/78 Afe Location Fuel Studies 7. REQUIREMENT: AFS Letter Request
TITLE OF PROJECT: Transport Crashworthy Fuselage Fuel Tanks Sawanger/Organization: ARD-520 ARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: NAFEC:	To REQUIREMENT:
ANAGER/ORGANIZATION: ARD-520 ARD-520 ARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: NAFEC:	7. REQUIREMENT:
ANAGER/ORGANIZATION: ARD-520 ARD-520 ARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: NAFEC:	7. REQUIREMENT:
ARTICIPATING ORGANIZATIONS AND AGREEMENT NUMBERS: NAFEC:	AFS Letter Request
. NAFEC:	
	c. OTHER:
. TSC:	NASA
BJECTIVE(S):	
PPROACE: HIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MANNER. INVESTIGATE trade-off design concepts, devel ests and provide data on which to base regu	op crashworthy tanks, conduct
improved regulatory standards AND WIT	L BE DELIVERABLE TO AFS
ILLESTONE SCHEDULE:	
DESCRIPTION	DATE
. Define crash load envelope	10/79
) 15명 (15), 1일 (18) 12일 (19) 12일 (19) 13일 (19)
. Conduct full-scale impact tests	7/80
. Conduct full-scale impact tests	7/80 10/80

mercus management of the second

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	CURRENT NUMBER: 181-522-07	3. REVISION:	4.	START DATE:	
				1977	and the second
•	TITLE OF PROJECT:	in Aircraft Engines			
	MANAGER/ORGANIZATION:		17	REQUIREMENT:	
•	J. J. Shea	ARD-520		#AFS-100-76-	155
•	PARTICIPATING ORGANIZ	ATTONS AND AGREEMENT NUMBERS:	c. OTHER:		
	b. TSC:				109
	OBJECTIVE(S):		1		
	concerning use o	DEWTIFIED IN THIS RESUME IS INTE f Titanium in turbine eng	gines.	de Certification	on guidelines
	APPROACE:				
				11 conduct a 1	iterature cear
	interface with e	CCOMPLISHED IN THE FOLLOWING MAN ngine manufacturers and o eful to those certificati	ther R&D agen	cies, and comp	ile the data
	PRODUCT: THE PRODUCT OF THIS R Certification qui	ngine manufacturers and o	ether R&D agen ng engines.	cies, and comp	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI	ngine manufacturers and of eful to those certification of the certificat	ether R&D agen ng engines.	cies, and comp	oile the data
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QU: ON OR ABOUT 8/78	ngine manufacturers and of eful to those certification of the certificat	ether R&D agen ng engines.	, IS INTEN	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION	rgine manufacturers and of eful to those certification of the second of	ether R&D agen ng engines.	, IS INTEN	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QU: ON OR ABOUT 8/78	rgine manufacturers and of eful to those certification of the second of	ether R&D agen ng engines.	, IS INTEN	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION	rgine manufacturers and of eful to those certification of the second of	ether R&D agen ng engines.	, IS INTEN	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
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	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78
	PRODUCT: THE PRODUCT OF THIS R CERTIFICATION QUI ON OR ABOUT 8/78 MILESTONE SCHEDULE: DESCRIPTION 1. Draft final 1	report	ether R&D agen ng engines.	, IS INTENDED TO AFS	DED TO SUPPORT TE 0/78

2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:
I	V 182-520-01			7/71
5.	TITLE OF PROJECT:			
_	Inflight Aircraf			
	MANAGER/ORGANIZATION:			7. REQUIREMENT:
_	R. N. Bell	ARD-560 ATTONS AND AGREEMENT NUMBERS:		9550 ACS-200-75-2
,.	a. NAFEC:	KITONS AND MUREAMENT NUMBERS:	c. OTHE	R:
	ANA-410	NPD 18-481		
	b. TSC:			
).	OBJECTIVE(S):			
•				, with NAFEC support, will study
		esistance to explosive.	r explosive	devices, and evaluate aircraft
2.	PRODUCT:	ESIME, Technical Reports	S	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RI regulatory proce	ESIME, Technical Reports	s	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RI regulatory proce	ESIME, Technical Reports	s	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RI regulatory proce ON OR ABOUT 10/78	ESUME, Technical Reports ess and quidelines to A	s	, is intended to support iverable toACS
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2. CURRENT NUMBER:	3. REVISION:	4.	START DATE:	6/77
5. TITLE OF PROJECT:				
Boston Logan Airpl 6. MANAGER/ORGANIZATION:				
H.C. Spicer	ARD-520	1.	REQUIREMENT: AOA-1 Reque	st
 PARTICIPATING ORGANIZ NAFEC: 	ATIONS AND AGREEMENT NUMBERS:	or camer.	Lockheed McDonnell Do	ouglas
b. TSC:				
O. OBJECTIVE(S):				
1. APPROACE:	ted from towing operation	s to reduce	night opera	cton noise levels.
measure the chara	COOMPLISHED IN THE FOLLOWING MANN acteristics and grade leve	USK: SRDS, W	ith contract	support, will
to the type of op	erations at Boston Logan. I damage that can be expe	This data	will be use	d to evaluate the
to the type of op	erations at Boston Logan.	This data	will be use	d to evaluate the
to the type of op sort of structura PRODUCT: THE PRODUCT OF THIS R	erations at Boston Logan. I damage that can be expe	This data cted from a ports	will be use dditional to	d to evaluate the wing.
to the type of op sort of structura 2. PRODUCT: THE PRODUCT OF THIS R	Paghnigal De	This data cted from a ports	will be use dditional to , IS I	d to evaluate the wing.
2. PRODUCT: THE PRODUCT OF THIS R determination of ON OR ABOUT	recations at Boston Logan. I damage that can be expended that can be expended that can be expended to the control of the cont	This data cted from a ports	will be use dditional to , IS I	d to evaluate the wing. INTENDED TO SUPPORT AEO, AVP, ATA and
to the type of op sort of structural e. PRODUCT: THE PRODUCT OF THIS R determination of ON OR ABOUT 7/79 B. MILESTONE SCHEDULE:	recations at Boston Logan. I damage that can be expended that can be expended that can be expended to the control of the cont	This data cted from a ports	will be use dditional to , IS I	d to evaluate the wing. INTENDED TO SUPPORT AEO, AVP, ATA and Port Authority
to the type of op sort of structura 2. PRODUCT: THE PRODUCT OF THIS R determination of ON OR ABOUT	ESUME, Technical Repotential aircraft AND Wards damage from to	This data cted from a ports TIL BE DELIVER owing	will be use dditional to dditional to make the dditional to dditional	d to evaluate the wing. INTENDED TO SUPPORT AEO, AVP, ATA and Port Authority DATE
to the type of op sort of structura 2. PRODUCT: THE PRODUCT OF THIS R determination of ON OR ABOUT 7/79 3. MILESTONE SCHEDULE: DESCRIPTION 1. Oral report	Technical Repotential aircraft AND was damage from to	This data cted from a ports TIL BE DELIVER owing	will be use dditional to dditional to make the dditional to dditional	d to evaluate the wing. INTENDED TO SUPPORT AEO, AVP, ATA and Port Authority DATE 1/79
to the type of op sort of structura 2. PRODUCT: THE PRODUCT OF THIS R determination of ON OR ABOUT 7/79 3. MILESTONE SCHEDULE: DESCRIPTION 1. Oral report	Technical Repotential aircraft AND was damage from to a damage and factorial aircraft and factorial measurements and factorial evaluation	This data cted from a ports TIL BE DELIVER owing	will be use dditional to dditional to make the dditional to dditional	d to evaluate the wing. INTENDED TO SUPPORT AEO, AVP, ATA and Port Authority DATE
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2.	CURRENT NUMBER:	3. REVISION:	4. START DAT	re:
v	182-520-08		4/77	
	TITLE OF PROJECT:			
		t Tire Performance		
5.	MANAGER/ORGANIZATION:		7. REQUIREME	
_	R. C. McGuire	ARD-520 ATIONS AND AGREEMENT NUMBERS:		o. AFS-100-76-156
	a. NAFEC:	ATTORS AND AGREEMENT NUMBERS:	c. OTHER: Lockheed McDonnell	Douglas
	b. TSC:			
0.	OBJECTIVE(s):		B. F. Goo	odrich (R&D)
	APPROACH:			
2.	investigate a mea aircraft damage a	complished in the Following Name of reducing the number of	per of tire failures ca	ausing susbtantial
	investigate a mea aircraft damage a	ns of reducing the numbered hazard to occupants. ESUME, Reports	per of tire failures ca	
	PRODUCT: THE PRODUCT OF THIS RITULEMAKING PROCES ON OR ABOUT 9/79	ns of reducing the numbered hazard to occupants. ESUME, Reports	per of tire failures ca	nusing susbtantial
	investigate a mea aircraft damage a aircraft damage a product: THE PRODUCT OF THIS RITULE	ns of reducing the numbered hazard to occupants. ESUME, Reports	oer of tire failures ca	nusing susbtantial , IS INTENDED TO SUPPORT AFS
	PRODUCT: THE PRODUCT OF THIS RITULEMAKING PROCES ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Final report -	ens of reducing the number and hazard to occupants. ESUME, Reports AP	oer of tire failures cannot be a limited by the second of	nusing susbtantial IS INTENDED TO SUPPORT AFS DATE
	PRODUCT: THE PRODUCT OF THIS RITULEMAKING PROCES ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Final report -	ESUME, Reports All Airborne Tire Pressure	over of tire failures cannot be a second of tire failures cannot be second or second of the second o	nusing susbtantial IS INTENDED TO SUPPORT AFS DATE 12/78
2.	PRODUCT: THE PRODUCT OF THIS RITULEMAKING PROCES ON OR ABOUT 9/79 MILESTONE SCHEDULE: DESCRIPTION 1. Final report -	ESIME, Reports All Airborne Tire Pressure Non-destructive Tire I	over of tire failures cannot be a second of tire failures cannot be second or second of the second o	PATE 12/78 11/78

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	CURRENT NUMBER: 182-520-09	3. REVISION:		4. START DATE:
	TITLE OF PROJECT:			7/78
	Transport Crashwe	orthiness		
	MANAGER/ORGANIZATION:			7. REQUIREMENT: E&D Program Plan
	H. C. Spicer	ARD-520		FAA-18-1 A
	PARTICIPATING ORGANIZA a. NAFEC:	ATIONS AND AGREEMENT NUMBER	c. OTHE	R: NASA-Langley
	b. TSC:			
	OBJECTIVE(S):			
	crashworthiness	requirements for tran	s introduction for pro-	rovide basis from which to develop ft to improve occupant survivabili
•	APPROACH:			
	develop a math mo	odel, test and valida	te crashworth	, with contract support, will hiness concepts, and perform
	correlation of ma	ath model and crash c	criteria.	
	PRODUCT:		criteria.	
	<u>Product</u> : The product of this re	SUME, Regulation crit	eriteria.	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RE rulemaking proces	ESUME, Regulation crit	eriteria.	
	<u>Product</u> : The product of this re	ESUME, Regulation crit	eriteria.	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RE rulemaking proces	ESUME, Regulation crit	eriteria.	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RE rulemaking proces ON OR ABOUT12/83	ESUME, Regulation crit	eriteria.	, is intended to support
	PRODUCT: THE PRODUCT OF THIS RETULE PRODUCT OF THIS RETURN OF T	ESIME, Regulation critsss model for transport	eriteria. eria AND WILL BE DEL	, is invended to support iverable to _afs
·	PRODUCT: THE PRODUCT OF THIS RETULE PRODUCT OF THIS RETURN OF T	ESIME, Regulation crit ss	eriteria. eria AND WILL BE DEL	, is invended to support iverable to _afs
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	CURRENT NUMBER:	3. REVISION:		4. START DATE:
	182-520-11			1 /79
	TITLE OF PROJECT:			
	Helicopter Crashwo			
	MANAGER/ORGANIZATION:			7. REQUIREMENT:
	H. Spicer	ARD-520 ATIONS AND AGREEMENT NUMBERS:		FAA Helicopter Research Prog.
	a. NAFEC:	ATTOMO NEW PRINCIPLES	c. OTHE	R: NASA, CAMI, Dept. of Army
	b. TSC:			
o.	OBJECTIVE(s):			
	of components of APPROACE:	a helicopter to maximize	e crashwor	thiness.
			anna	
				, with contract and inter-agency nts in a crash environment and
	publish results.		er compone.	
2.			er compone.	
2.	publish results. PRODUCT:			iteria, IS INTENDED TO SUPPORT
	publish results. PRODUCT: THE PRODUCT OF THIS R	ESUME, Technical Reports	:/Design Cr	iteria , IS INTENDED TO SUPPORT IVERABLE TOINDUSTRY - AFS
	publish results. PRODUCT: THE PRODUCT OF THIS R	ESUME, Technical Reports	:/Design Cr	
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1	PRODUCT: THE PRODUCT OF THIS R helicopter crashwo ON OR ABOUT 10/84	ESUME, Technical Reports	:/Design Cr	IVERABLE TO Industry - AFS
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1	PRODUCT: THE PRODUCT OF THIS R helicopter crashwo ON OR ABOUT 10/84 MILESTONE SCHEDULE: DESCRIPTION	ESUME, Technical Reports	:/Design Cr	IVERABLE TO Industry - AFS
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. CURRENT NUMBER:	3. REVISION:	4. START DATE:
182-521-05		10/1/78
TITLE OF PROJECT:		
Propulsion Safet MANAGER/ORGANIZATION		2 DESCRIPTION
R. J. Koenig	ARD-550	7. REQUIREMENT: FAA-ED-18-1A
PARTICIPATING ORGANI a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
b. TSC:		
OBJECTIVE(S):		
	IDENTIFIED IN THIS RESUME IS INTE	NOED TO: provide data and recommendation
THIS EFFORT WILL BE		MER: SRDS, with contract support, will other and/or operational requirements
conduct studies		ther and/or operational requirements
THIS EFFORT WILL BE conduct studies on the performan	and tests on impact of wea	ther and/or operational requirements
THIS EFFORT WILL BE conduct studies on the performan	and tests on impact of wea	other and/or operational requirements engines.
THIS EFFORT WILL BE conduct studies on the performan	and tests on impact of weat ce of turbine and piston e	other and/or operational requirements engines.
THIS EFFORT WILL BE conduct studies on the performan	RESIME, reports and recomment to improve propulsion safe	dation , IS INTENDED TO SUPPOR
THIS EFFORT WILL BE conduct studies on the performan	RESUME, reports and recomment to improve AND	dation , IS INTENDED TO SUPPOR
THIS EFFORT WILL BE conduct studies on the performan FRODUCT: THE PRODUCT OF THIS : revision of FARS ON OR ABOUT _as re	RESIME, reports and recomment to improve propulsion safe	dation , IS INTENDED TO SUPPOR
THIS EFFORT WILL BE conduct studies on the performan PRODUCT: THE PRODUCT OF THIS PROJECT OF THIS PROJECT OF THE PRODUCT OF THE PROJECT OF T	RESUME, reports and recomment to improve AND propulsion safe (on going)	dation , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO AFS
THIS EFFORT WILL BE conduct studies on the performan FRODUCT: THE PRODUCT OF THIS PROJECT OF	RESUME, reports and recomment to improve AND quired propulsion safe (on going)	dation , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO AFS
THIS EFFORT WILL BE conduct studies on the performan performan the performan the product: THE PRODUCT: THE PRODUCT OF THIS: TOURN OF ABOUT _as re MILESTONE SCHEDULE: DESCRIPTION Representative M 1. Carburator ic	RESUME, reports and recomment to improve AND quired propulsion safe (on going)	ndation , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TO AFS TATE DATE

2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:
v	182-530-03			7/75
			Disturba	nces on STOL Approach Handling
_	MANAGER/ORGANIZATION:	alities		7. REQUIREMENT:
	Edward M. Booth	ARD-531		FAA-ED-18-1 A
•	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHE	R: NAE Canada AIA/CA-1 CC-NMI-1052-151; FA72WAI-285
	b. TSC:			
	OBJECTIVE(S):			7,000,000,0
•	APPROACE: THIS EFFORT WILL BE ACT measure and evaluations.	COMPLISHED IN THE FOLLOWING MAN	NER: SRDS	confidence in past ground-based , with contract support, will ities during atmospheric distur-
	results compared w	with ground simulation da	·l airborn ita.	e simulator will be performed and
	PRODUCT:	with ground simulation da SUME, Report Lteria for STOL a/C AND	ita.	, is invended to support
	PRODUCT: THE PRODUCT OF THIS REALITWOOTTHINGS Cri	with ground simulation da SUME, Report Lteria for STOL a/C AND	ita.	, is invended to support
	PRODUCT: THE PRODUCT OF THIS REALITWOOTHINGS Cri	with ground simulation da SUME, Report Lteria for STOL a/C AND	ita.	, is invended to support
	PRODUCT: THE PRODUCT OF THIS REAITWOOTHINESS Cri ON OR ABOUT 12/7 MILESTONE SCHEDULE: DESCRIPTION	with ground simulation da SUME, Report Lteria for STOL a/C AND	ita.	, is invended to support iverable toAFS

	CURRENT NUMBER:	3. REVISION:			4. START DATE:		
	182-530-04 *					10/75	
•	TITLE OF PROJECT: Air	craft Structura	l Loads Cri	iteria I	Based on Airc	raft and At	mospheric
	MANAGER/ORGANIZATION:				7. REQUIREMENT	?:	
	Edward M. Boothe		ARD-531			FAA-ED-1	8-1A
	PARTICIPATING ORGANIZA A. NAFEC:	TIONS AND AGREEMENT	as an entered a	c. OTHER	Systems Te		inc.
	b. TSC:						
	OBJECTIVE(S):						
	standards for struto aircraft dynamic atmosphere inputs.	ctural flight locs, stability a	oads requir	ements	develop data which function, pilot	onally rela	te loads
	APPROACE:						
	THIS EFFORT WILL BE AC	XMPLISHED IN THE POI	LLOWING MANNER	SRDS,	with contra	ct support,	will review
	regulations and do which were loads r	elated.	racing expe	erience	associated w		as, meraenes
	which were loads r	elated.	racing expe	erience	associated w		es, increenes
	regulations and do which were loads r	elated.		erience	associated w		and the state of t
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	PRODUCT:	RME, Reports			, 1		
	PRODUCT: THE PRODUCT OF THIS RE	RME, Reports eria Development			, 1	is intended to	
	PRODUCT: THE PRODUCT OF THIS REALITHMORTHINESS Crit	RME, Reports eria Development			, 1	is intended to	
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2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	182-530-07				7/76
	TITLE OF PROJECT:				1/10
		andards for Helico	nters in TEP One	rations	
-	MANAGER/ORGANIZATION:		peers in irk ope	7. REQUIREMENT:	
	•			(* 1.00021112.	
	TC. T. C. West	ARD-5:			FAA-ED-18-1 A
	a. NAFEC:		e. OTH	PACER System FA77WA-3966	s, Inc.
1	b. TSC:				
0.	OBJECTIVE(S):			· · · · · · · · · · · · · · · · · · ·	
C	compliance with c	quality standards ertification stand	dards.	•	
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	erform an analys	complished in the Foli	a available in i	s, with contract	support, will
					er sourier Tuvor ved
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i 2.]	FRODUCT: THE PRODUCT OF THIS R Certification Cr IFR operations ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Technical Br	Data and Criteria for helicon	licopters.	, IS 1	DATE 11/78
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i 22.]	FRODUCT: THE PRODUCT OF THIS R Certification Cr IFR operations ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Technical Br	Data and Criteria for helicon	licopters.	, IS 1	DATE 11/78
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2.	CURRENT NUMBER:	3. REVISION:	4. START	DATE:	
IV	182-530-09			2/77	
5.	TITLE OF PROJECT:				
	Airworthiness Cert	tification Rules and Flig	t Test Procedure		
	MANAGER/ORGANIZATION:		7. REQUI	REMENT:	
	J. B. McCullough	ARD-530	9550 #2	AFS-100-77-157	
	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER: Calspa FATQO	an Corporation	
	b. TSC:				
٥.	OBJECTIVE(S):	*			-
	respect to flight t	test procedures/technique			
	analyze student-co	complished in the Following MAN ourse feedback information			
	and/or needed rese	earch.			
	PRODUCT: THE PRODUCT OF THIS RE	Interpretation St	dy	, is intended to support AFS	
	PRODUCT: THE PRODUCT OF THIS RE	SUME,Interpretation St	dy		
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CURRENT NUMBER:	3. REVISION:	4. START DAY	TE:	
182-530-10			3/77	
TITLE OF PROJECT:			3/ (1	
NASA/AMES Digital	1 Flight Control Simulation			
MANAGER/ORGANIZATION:		7. REQUIREM	ENT: AFS/ARD Coord	ination
John E. Reed	ARD-530	Advanced In	tegrated Flight	System
PARTICIPATING ORGANIZ	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:		
			MI 1052-151	
b. TSC:				
OBJECTIVE(S):				THE RES
APPROACH: THIS EFFORT WILL BE A	ACCOMPLISHED IN THE FOLLOWING MANNER	R: SRDS, under Int	eragency Agreemen	nt, wi
conduct simulatio industry's system perspective and a PRODUCT: THE PRODUCT OF THIS R	on experiments, assess hardwas concepts and conduct technologies. Assessment data on industry assessment data on industry assessment. RESUME, Generic Data and Report	are and software p nical work shops s methods.	erformance, investas required to obtain the second of the	stigat otain
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	CURRENT NUMBER:	3. REVISION:	4. START DATE:
7	182-530-11		4/77
	TITLE OF PROJECT:		4/11
	NASA/Langley Lig	htning Study Flight Tests	
	MANAGER/ORGANIZATION:	No. of the control of	7. REQUIREMENT: AFS/ARD Coordination
	John E. Reed	ARD-530	with respect to Advanced Integrated
•	PARTICIPATING ORGANIZ a. NAFEC:	ATTONS AND AGREEMENT NUMBERS:	Flight Systems c. OTHER: NASA/FAA-IA-FA77WAI-756
	b. TSC:		
	OBJECTIVE(S):		
	On investigations aircraft systems.	s on the indirect effects	INDED TO: provide data on which to base follow of electromagnetically induced voltages in
	APPROACE:		
	THIS EFFORT WILL BE A	COMPLISHED IN THE POLICHING MAI	INFD: CDD C
	NASA, will conduc	ct studies on lightning e	NER: SRDS, under Interagency Agreement with ffects upon avionics systems and perform
	flight tests for	verification of experime	ntal equipment.
	PRODUCT:	Conomia Data and	
	THE PRODUCT OF THIS R	The second secon	Reports , is invended to support
	THE PRODUCT OF THIS R	some,	Reports, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAFS
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	THE PRODUCT OF THIS R long-term airwort ON OR ABOUT 12/79	chiness criteria AND	, IS INTENDED TO SUPPORT
	THE PRODUCT OF THIS R long-term airwort ON OR ABOUT	chiness criteria AND	WILL BE DELIVERABLE TOAFS
	THE PRODUCT OF THIS R long-term airwort ON OR ABOUT12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Conduct exper	chiness criteria AND	WILL BE DELIVERABLE TOAFS
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	THE PRODUCT OF THIS R long-term airwort ON OR ABOUT12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Conduct exper	chiness criteria AND	Test 5/79
	THE PRODUCT OF THIS R long-term airwort ON OR ABOUT12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Conduct exper Verification	chiness criteria AND	WILL BE DELIVERABLE TOAFS
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2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
v	182-530-12		2/78
-	TITLE OF PROJECT:		
	Hardware and Sof	tware Functional Assessm	ment Concepts
	MANAGER/ORGANIZATION		7. REQUIREMENT:
	John E. Reed	ARD-530	FAA-ED-18-3
	a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
	b. TSC:		
	OBJECTIVE(S):		
	assessment of adv	vanced computer and soft ic emulator concepts.	WIENDED TO: provide research for the functional ware architecture schemes; and the investiga-
6	APPROACH:		
	collect and analy	yze data and develop met	MARKER: SRDS, under Interagency Agreement, will hods to verify that systems designs meet
	FRODUCT:	rmance specifications.	
	PRODUCT: THE PRODUCT OF THIS I	RESUME, Generic data and/ thiness standards and A	
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	PRODUCT: THE PRODUCT OF THIS I Long-term airwort ON OR ABOUT	RESUME, Generic data and/ thiness standards and A	or reports , is intended to support
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	PRODUCT: THE PRODUCT OF THIS I Long-term airwort ON OR ABOUT	RESIME, Generic data and/ thiness standards and A ication procedures /21 earch on functional asses	or reports , IS INTENDED TO SUPPORT ND WILL BE DELIVERABLE TO AFS incrementally DATE SSMent 8/79 epts 9/79
	PRODUCT: THE PRODUCT OF THIS I Long-term airwort ON OR ABOUT	RESIME, Generic data and/ thiness standards and A ication procedures /21 earch on functional asses	or reports , IS INTENDED TO SUPPORT ND WILL BE DELIVERABLE TO AFS incrementally DATE ssment 8/79 epts 9/79

2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
IV	182-530-13		4/78
5.	TITLE OF PROJECT:		1000000
	Helicopter Icing	Technology Review	
5.	MANAGER/ORGANIZATION:		7. REQUIREMENT:
	LTC Thomas C. Wes		
9.	PARTICIPATING ORGANIZ a. NAFEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: Boeing Vertol Co. DOT-FA78WA-4258
	b. TSC:		
0.	OBJECTIVE(S):		
	operational appro	val for helicopters ope	INTENDED TO: provide data upon which to base erating in icing conditions.
L.	APPROACH:		
	THIS EFFORT WILL BE A	CCOMPLISHED IN THE FOLLOWING	MANNER: SRDS, with contract support, will review
	current state-of- evaluate current	the-art pertinent to he operational data and po	elicopter icing standards technology and
2.	evaluate current PRODUCT: THE PRODUCT OF THIS R	the-art pertinent to he operational data and pu	elicopter icing standards technology and ublish results. nd criteria IS INTENDED TO SUPPORT
2.	evaluate current PRODUCT: THE PRODUCT OF THIS R	the-art pertinent to he operational data and pu	elicopter icing standards technology and ublish results. nd criteria IS INTENDED TO SUPPORT
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	PRODUCT: THE PRODUCT OF THIS R helicopter icing ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	esume, Technical data and certification standard	elicopter icing standards technology and ublish results. Ind criteria, IS INTENDED TO SUPPORTAFS
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	PRODUCT: THE PRODUCT OF THIS R helicopter icing ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Draft report	esume, Technical data and certification standard	elicopter icing standards technology and ublish results. Ind criteria , IS INTENDED TO SUPPORT AFS DATE 12/79
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	URRENT NUMBER:	3. REVISION:	4.	START DATE:	5/78
_	ITLE OF PROJECT:				
Si	imulation: Vali	dation and Verification			
. M	ANAGER/ORGANIZATION:		7.	REQUIREMENT:	AIFS Technical
	C. Padgett	ARD-530	Pr	ogram Plan	FAA-ED-18-3
	. NAFEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER:		
ъ.	TSC:				
OE	BJECTIVE(S):				
T		CCOMPLISHED IN THE FOLLOWING MAN			
	o establish vali	ollect data which will be dity.	compared wi	th actual f	light information
to	o establish valid				
· Pr	establish valid RODUCT: NE PRODUCT OF THIS R	dity.	criteria	, IS	intended to support
to	o establish valid RODUCT: IN PRODUCT OF THIS RI	ESUME, Technical data and alidation AND	criteria	, IS	intended to support
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2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	182-530-16		8/78
•	TITLE OF PROJECT: He	licopter Certification Requi	irements for Flight in Icing Conditions
5.	MANAGER/ORGANIZATION:	Toral State Control	7. REQUIREMENT:
	LTC Thomas C. Wes		9550 #AFS-100-78-160
9.	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	IA U.S. Army Res. & Tech. Lab.
	b. TSC:		
٠.	OBJECTIVE(S):		45 10 10 10 10 10 10 10 10 10 10 10 10 10
1.	to establish ice	certification and operations	0 TO: form a valid data base upon which s requirements for helicopters operating ty.
	Army, will expand developed will inc	an on-going helicopter icir clude equipment systems conf	SRDS, via Interagency Agreement with to ng flight test program. Data to be figuration and operation, environment dat
	ice accretion, per	rformance, handling qualitie	es, among other data.
	PRODUCT: THE PRODUCT OF THIS RE	rformance, handling qualities Test Reports and Data	es, among other data. IS INTENDED TO SUPPORT
2.	PRODUCT: THE PRODUCT OF THIS RE	Test Reports and Data teria for future civil	es, among other data. IS INTENDED TO SUPPORT
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	PRODUCT: THE PRODUCT OF THIS RECEITED CRIST SHOW ON OR ABOUT 8/79	Test Reports and Data teria for future civil	es, among other data. IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RECEPTION OF ABOUT 8/79 MILESTONE SCHEDULE: DESCRIPTION	Test Reports and Data for future civil helicopters	, IS INTENDED TO SUPPORT AFS DATE
3.	PRODUCT: THE PRODUCT OF THIS RECEPTION 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test program in 2. Interim reports	Test Reports and Data for future civil helicopters	, IS INTENDED TO SUPPORT AFS DATE 12/78 6/79
	PRODUCT: THE PRODUCT OF THIS RECEPTION ON OR ABOUT 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test program in	Test Reports and Data for future civil helicopters	, IS INTENDED TO SUPPORT AFS DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RECEPTION 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test program in 2. Interim reports	Test Reports and Data for future civil helicopters	, IS INTENDED TO SUPPORT AFS DATE 12/78 6/79
	PRODUCT: THE PRODUCT OF THIS RECEPTION 8/79 MILESTONE SCHEDULE: DESCRIPTION 1. Test program in 2. Interim reports	Test Reports and Data for future civil helicopters	, IS INTENDED TO SUPPORT AFS DATE 12/78 6/79

Construction which the

	CURRENT NUMBER:	3. REVISION:	4. START DATE:	
.,	184-520-02		6/75	
•	TITLE OF PROJECT:			
	Lightplane Longite	udinal Flight Control C	iteria	
7	MANAGER/ORGANIZATION:		7. REQUIREMENT:	
	Joseph W. Howell	ARD-530	FAA-ED-18-	-1 A
•	PARTICIPATING ORGANIZA A. NAFEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: Princeton University FA75WA-3679	
	b. TSC:			
	OBJECTIVE(S):			
	aircraft certifica	ation process.	can serve as guidelines for adviso	ory and
	THIS EFFORT WILL BE AC	COMPLISHED IN THE POLLOWING M	MMER: SRDS, with contract support,	will revi
	and analyze longit of small general a	tudinal stick fixed and	MMER: SRDS, with contract support, stick free static stability charac regard to configuration changes and stall.	teristics
	and analyze longic of small general a devices for low sp PRODUCT:	tudinal stick fixed and aviation aircraft, with peed landing approach a	stick free static stability charac regard to configuration changes an d stall.	cteristics nd stabilit
	and analyze longic of small general a devices for low sp PRODUCT: THE PRODUCT OF THIS RE	tudinal stick fixed and aviation aircraft, with peed landing approach as Reports	stick free static stability characteristic regard to configuration changes and stall.	cteristics nd stabilit
	and analyze longic of small general a devices for low sp PRODUCT: THE PRODUCT OF THIS RE Improved Airworth:	tudinal stick fixed and aviation aircraft, with peed landing approach as Reports	stick free static stability charac regard to configuration changes an d stall.	cteristics nd stabilit
	and analyze longic of small general a devices for low sp PRODUCT: THE PRODUCT OF THIS RE	tudinal stick fixed and aviation aircraft, with peed landing approach a structure of the st	stick free static stability characteristic regard to configuration changes and stall.	cteristics nd stabilit
	and analyze longic of small general adevices for low specific product: THE PRODUCT: THE PRODUCT OF THIS REIMproved Airworth:	tudinal stick fixed and aviation aircraft, with peed landing approach a structure of the st	stick free static stability characteristic regard to configuration changes and stall.	cteristics nd stabilit
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	and analyze longic of small general advices for low specific product: THE PRODUCT: THE PRODUCT OF THIS REIMproved Airworth: ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	tudinal stick fixed and aviation aircraft, with peed landing approach as some, Reports iness Certification Architecture Criteria	stick free static stability characteristic free static stability characteristic free static stability characteristic free static free stat	cteristics nd stabilit
	and analyze longic of small general advices for low specific product: THE PRODUCT: THE PRODUCT OF THIS REIMproved Airworth: ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	tudinal stick fixed and aviation aircraft, with peed landing approach as some, Reports iness Certification Architecture Criteria	stick free static stability characteristic free static stability characteristic free static stability characteristic free static free stat	cteristics nd stabilit
	and analyze longic of small general advices for low specific product: THE PRODUCT: THE PRODUCT OF THIS REIMproved Airworth: ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	tudinal stick fixed and aviation aircraft, with peed landing approach as some, Reports iness Certification Architecture Criteria	stick free static stability characteristic free static stability characteristic free static stability characteristic free static free stat	cteristics nd stabilit
	and analyze longic of small general advices for low specific product: THE PRODUCT: THE PRODUCT OF THIS REIMproved Airworth: ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	tudinal stick fixed and aviation aircraft, with peed landing approach as some, Reports iness Certification Architecture Criteria	stick free static stability characteristic free static stability characteristic free static stability characteristic free static free stat	cteristics nd stabilit

2.	CURRENT NUMBER:	3. REVISION:	4. START	DATE:
	184-521-01			3/72
	TITLE OF PROJECT:			
	General Aviation C	Crashworthiness Design Cr	iteria	
	MANAGER/ORGANIZATION:		7. REQUI	REMENT:
	Herbert C. Spicer	ARD-520		FAA-ED-18-1 A
		TIONS AND AGREEMENT NUMBERS:		
	a. NAFEC:		c. OTHER: NASA 8 IA-DOT-FA76W	-928-3453 Lockheed DOT A-607 FA75WA-3707
	b. TSC:			
	OBJECTIVE(S):			
	standards for gene	ENTIFIED IN THIS RESUME IS INTEN	ructure to improv	e their crashworthiness.
	APPROACH:			
	develop a simulati		ale verification	ntract support, will of crash tests, design a
		l, and publish report on	findings.	
	PRODUCT: THE PRODUCT OF THIS RES	SIME, Technical Report and		
	PRODUCT: THE PRODUCT OF THIS RESCUENT Crashworthiness Cr	SUME, Technical Report and	l Users <u>Manual</u>	
	PRODUCT: THE PRODUCT OF THIS RES Crashworthiness Cr ON OR ABOUT 2/79 MILESTONE SCHEDULE:	SUME, Technical Report and	l Users <u>Manual</u>	AFS
	PRODUCT: THE PRODUCT OF THIS RESCRIPTION OR ABOUT 2/79	SUME, Technical Report and	l Users <u>Manual</u>	
	PRODUCT: THE PRODUCT OF THIS RESCRIPTION PRODUCT: THIS RESCRIPTION THIS RESCRIPTION	SUME, Technical Report and	l Users <u>Manual</u>	DATE
	PRODUCT: THE PRODUCT OF THIS RESCRIPTION 1. Increase size	SIME, Technical Report and iteria for G/A AND Wirplane structure	l Users Manual	AFS
	PRODUCT: THE PRODUCT OF THIS RESCRIPTION 1. Increase size	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79
	PRODUCT: THE PRODUCT OF THIS RESCARD Crashworthiness Crashwor	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79 1/79
	PRODUCT: THE PRODUCT OF THIS RESCARD Crashworthiness Crashwor	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79 1/79
	PRODUCT: THE PRODUCT OF THIS RESCARD Crashworthiness Crashwor	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79 1/79
	PRODUCT: THE PRODUCT OF THIS RESCARD Crashworthiness Crashwor	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79 1/79
	PRODUCT: THE PRODUCT OF THIS RESCARD Crashworthiness Crashwor	Technical Report and iteria for G/A AND wirplane structure of simulation model on of twin engine airplane	l Users Manual	DATE 1/79 1/79

CURRENT NUMBER:	3. REVISION:	4. START DATE:
V 184-521-02		7/72
. TITLE OF PROJECT:		
Seat/Restraint A	nalysis and Design Criteria	
. MANAGER/ORGANIZATION	V:	7. REQUIREMENT: 9550 #AFS-500-77-01
Herbert C. Spice	r ARD-520	FAA-ED-18-1A
	ZATIONS AND AGREEMENT NUMBERS:	THER: Dynamic Sciences FA72WA-3101
b. TSC:	Penn	. State FA77AC-7228 CAMI
OBJECTIVE(S):		
. APPROACE:		
THIS EFFORT WILL BE will complete si	ACCOMPLISHED IN THE FOLLOWING MANNER: mulation improvement, perform st	SRDS, with contract and CAMI support
will complete si	ACCOMPLISHED IN THE FOLLOWING MANNER: mulation improvement, perform st s for standard criteria.	SRDS, with contract and CAMI support atic validation tests, dynamic tests
will complete si and provide basi PRODUCT: THE PRODUCT OF THIS	mulation improvement, perform st s for standard criteria. RESUME, Tech Reports and Users Ma proved Seats/Restraints AND WILL BE	, IS INTENDED TO SUPPORT
will complete si and provide basi PRODUCT: THE PRODUCT OF THIS Standards for Im ON OR ABOUT 9/7	mulation improvement, perform st s for standard criteria. RESUME, Tech Reports and Users Ma proved Seats/Restraints AND WILL BE	nual, IS INTENDED TO SUPPORT
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will complete si and provide basi and provide basi PRODUCT: THE PRODUCT OF THIS Standards for Im ON OR ABOUT 9/7 MILESTONE SCHEDULE: DESCRIPTION 1. Testing of	mulation improvement, perform st s for standard criteria. RESUME, Tech Reports and Users Ma proved Seats/Restraints AND WILL BE 9 simple and production seats	nual , IS INTENDED TO SUPPORT AFS DATE 9/79

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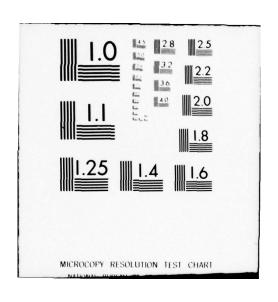
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2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	184-521-03		5/72
	TITLE OF PROJECT:		37.2
	General Aviation	Crash Resistant Fuel Sys	stem
	MANAGER/ORGANIZATION:		7. REQUIREMENT:
	Herbert Spicer	ARD-520	FAA-ED-18-1 A
	PARTICIPATING ORGANIZA	TIONS AND AGREEMENT NUMBERS:	
	a. NAFEC: ANA-400		c. OTHER:
	b. TSC:		
	OBJECTIVE(S):		
	APPROACE:	ndards can be extracted.	
	THIS EFFORT WILL BE ACT	ightweight tanks, perform	NER: SRDS, with NAFEC support, will fabricat n tests, evaluate results and publish a
	report on finding	js.	
	PRODUCT: THE PRODUCT OF THIS RE	SIME, Technical Report	, IS INTENDED TO SUPPORT
•	PRODUCT: THE PRODUCT OF THIS REStandards for G/A	SIME, Technical Report fuel systems AND	
	PRODUCT: THE PRODUCT OF THIS RESTANDARDS for G/A ON OR ABOUT 12/7	SIME, Technical Report fuel systems AND	, IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS REStandards for G/A	SIME, Technical Report fuel systems AND	, IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESTANDARDS for G/A ON OR ABOUT 12/7	SIME, Technical Report fuel systems AND	, IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESTANDARDS FOR G/A ON OR ABOUT 12/7	SIME, Technical Report fuel systems AND	, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAFS
	PRODUCT: THE PRODUCT OF THIS RESTANDARDS FOR G/A ON OR ABOUT 12/7 MILESTONE SCHEDULE: DESCRIPTION	SIME, Technical Report fuel systems AND	, IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAFS DATE

	CURRENT NUMBER:	3. REVISION:	4.	START DATE:	
	184-530-06			8/1/78	
•	TITLE OF PROJECT:				
		ment Training and Evalu			Mark.
•	MANAGER/ORGANIZATION: Patrick E. Russel	1 100 500		REQUIREMENT:	
		ARD-530 TIONS AND AGREEMENT NUMBERS:	1 9	550 #AFS-800-75-1	
	a. NAFEC:		c. OTHER:		
	b. TSC:				
٥.	OBJECTIVE(S):			•	
	with a method for	training civil studen their ground and flig	t and instruct	vide Flight Standards Serv tor pilots to use good jud	rice Igment
L.	APPROACH:				
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING	MANUER: SRDS	with contract support, wil	1
	develop a ground	and flight training sy	llabus which w	will address the subject of	f pil
	judgment in a for	mal etructured docum	and the second s		
	• • • • • • • • • • • • • • • • • • • •	mar, structured, docum	ented manner.		
		mar, structured, docum	ented manner.		
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2.	PRODUCT:	SIME, Judgment Sylla			
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	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION OF 4/80	SIME, Judgment Sylla	bus		
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of ON OR ABOUT 4/80 MILESTONE SCHEDULE:	SIME, Judgment Sylla	bus	AFS AFS	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION OF 4/80	SIME, Judgment Sylla	bus		
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of ON OR ABOUT 4/80 MILESTONE SCHEDULE:	SUME, Judgment Sylla civil pilots A	bus	DATE	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION OF ABOUT 4/80 MILESTONE SCHEDULE: DESCRIPTION	SIME, Judgment Sylla civil pilots A	bus	AFS AFS	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
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	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
	PRODUCT: THE PRODUCT OF THIS RECEPTIFICATION of 4/80 MILESTONE SCHEDULE: DESCRIPTION 1. Sign contract	SIME, Judgment Sylla civil pilots A	bus	DATE 6/79	
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2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
v	185-561-01		7/1/75
	TITLE OF PROJECT:		
	Aviation Security	y and Research Program	ness toya daes usine all severes and severe
	MANAGER/ORGANIZATION		7. REQUIREMENT: Aviation Security
	Gerald Carp	ARD-560	Engineering and Development Plan
		ZATIONS AND AGREEMENT NUMBERS: 10 NPD 18-481	c. OTHER: Westinghouse FA75WA-3741 SWR Inst. FA76WA-3784
	b. TSC: TSC-641	PPA-FA745	MITRE
	OBJECTIVE(S):		
	APPROACH: THIS EFFORT WILL BE	ACCOMPLISHED IN THE FOLLOWING	MARNER: SRDS, with NAFEC, TSC, and contract
	support, will exp	pedite and expand those	efforts already underway in this area; and mising systems and initiate new R&D projects
•	support, will exp through studies a to develop them.	pedite and expand those and tests, identify property property property property program	efforts already underway in this area; and mising systems and initiate new R&D projects
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS I Aviation Securit ON OR ABOUT 9/8	pedite and expand those and tests, identify property property property property program	efforts already underway in this area; and mising systems and initiate new R&D projects on System.
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS I Aviation Securit ON OR ABOUT 9/8	pedite and expand those and tests, identify property property property property program	efforts already underway in this area; and mising systems and initiate new R&D projects on System.
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS I Aviation Securit ON OR ABOUT9/8 MILESTONE SCHEDULE: DESCRIPTION	RESUME, Explosive Detections Program	efforts already underway in this area; and mising systems and initiate new R&D projects ion System, IS INTENDED TO SUPPORT ACS DATE
•	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN A VIATION Securit ON OR ABOUT9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tect	Explosive Detection Program Chnical studies complete	efforts already underway in this area; and mising systems and initiate new R&D projects ton System, IS INTENDED TO SUPPORT ACS PATE 9/80
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN Aviation Securit ON OR ABOUT 9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tec. 2. Detection of	RESUME, Explosive Detections Program	efforts already underway in this area; and mising systems and initiate new R&D projects ton System, IS INTENDED TO SUPPORT ACS DATE
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN Aviation Securit ON OR ABOUT 9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tec. 2. Detection of	Explosive Detection of Program Chnical studies complete Bombs and air cargo	efforts already underway in this area; and mising systems and initiate new R&D projects ton System. INTENDED TO SUPPORT ACS PATE 9/80 1/80
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN Aviation Securit ON OR ABOUT 9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tec. 2. Detection of	Explosive Detection of Program Chnical studies complete Bombs and air cargo	efforts already underway in this area; and mising systems and initiate new R&D projects ton System. , IS INTENDED TO SUPPORT ACS PATE 9/80 1/80
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN Aviation Securit ON OR ABOUT 9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tec. 2. Detection of	Explosive Detection of Program Chnical studies complete Bombs and air cargo	efforts already underway in this area; and mising systems and initiate new R&D projects ton System. , IS INTENDED TO SUPPORT ACS PATE 9/80 1/80
	support, will expended to develop them. PRODUCT: THE PRODUCT OF THIS IN Aviation Securit ON OR ABOUT 9/8 MILESTONE SCHEDULE: DESCRIPTION 1. Advanced tec. 2. Detection of	Explosive Detection of Program Chnical studies complete Bombs and air cargo	efforts already underway in this area; and mising systems and initiate new R&D projects ton System. , IS INTENDED TO SUPPORT ACS PATE 9/80 1/80

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. CURRENT NUMBE	R: 3.	REVISION:		4. START DATE:
IV 201-521-02				6/75
. TITLE OF PROJ	ECT:			
Turbine En	gine Particul	ate Characteriza	ation	
. MANAGER/ORGAN				7. REQUIREMENT:
John E. Tie	jue ARD-	-550		FAA-ED-20-1
. PARTICIPATING	ORGANIZATIONS A	ND AGREEMENT NUMBERS		ER: IIT Research Institute
ANA-	-410 NI	PD 20-446		75WA-3722
b. TSC:				
OBJECTIVE(S):				
in an airpo	ort environmen	nt.		meir impact on the environment
THIS EFFORT W	ILL BE ACCOMPLISE	HED IN THE POLLOWING	MARKER: SRD	OS, with NAFEC and contract suppor
and evaluat	ed. A report	t will be publis	ciculates.	Data will be collected, analyzed
	out in report			ings.
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PRODUCT:				
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PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9	r THIS RESUME, _ rds for Parti Emiss /79	Final Report	AND WILL BE DE	, is intended to support siverable toAEO
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCH DESCRIPTION	r THIS RESIME, _ rds for Parti Emiss /79	Final Report Culate Sions of turbine	AND WILL BE DE	, is intended to support
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine	r THIS RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal	Final Report Culate Sions of turbine	AND WILL BE DE	, is intended to support siverable toAEO
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	r THIS RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal	Final Report Culate Sions of turbine	AND WILL BE DE	, is intended to support LIVERABLE TOAEO DATE 12/78
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PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
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PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
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PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
PRODUCT: THE PRODUCT OF FAA Standa ON OR ABOUT 9. MILESTONE SCE DESCRIPTION 1. Engine 2. Evaluat	resis RESIME, _ rds for Parti Emiss /79 EDULE: sampling anal ion of result	Final Report Culate Sions of turbine	AND WILL BE DE	DATE 12/78 4/79
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177	CURRENT NUMBER:	3. REVISION:		4. START DATE:
	TITLE OF PROJECT:			
	Development of ti	me-degradation factor	s for turbin	e-engine emissions
	MANAGER/ORGANIZATION:			7. REQUIREMENT:
	C. Ritter	ARD-550		FAA-ED-20-1
9.	a. NAFEC:	NPD 20-446		R: Northern Research & Engineering Corp. FA74NA-1100
	b. TSC:			
0.	OBJECTIVE(S):			
				establish the factors that describ hange with operating time.
	will periodicall	y sample emissions fr	om a statist	S, with NAFEC and contracting suppo- ically representative number of in- A report will be published on
2.	PRODUCT: THE PRODUCT OF THIS R	RESUME, Report		, IS INTENDED TO SUPPORT
2.	THE PRODUCT OF THIS R	RESUME, Report on Turbine Engine	AND WILL BE DE	190
2.	THE PRODUCT OF THIS R	on Turbine Engine Emissions	_ AND WILL BE DE	190
	THE PRODUCT OF THIS R FAA regulations ON OR ABOUT 10/78	on Turbine Engine Emissions	_ AND WILL BE DE	180
	THE PRODUCT OF THIS R FAA regulations ON OR ABOUT 10/78 MILESTONE SCHEDULE:	on Turbine Engine Emissions	AND WILL BE DE	LIVERABLE TO AEQ
	THE PRODUCT OF THIS R FAA regulations ON OR ABOUT 10/78	on Turbine Engine Emissions	AND WILL BE DE	190
	THE PRODUCT OF THIS R FAA regulations ON OR ABOUT 10/78 MILESTONE SCHEDULE:	on Turbine Engine Emissions	_ AND WILL BE DE	LIVERABLE TO AEQ
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CURRENT NUMBER:	3. REVISION:	4.	START DATE:		
201-521-09	3. 14.102011.		ober bit.		
TITLE OF PROJECT:					
	ission Measurement System	m Douglanman			
MANAGER/ORGANIZATION:	ission reasurement system		REQUIREMENT:		
L. Taubenkibel	ARD-550			D-20-1-1	
PARTICIPATING ORGANIZATION . NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER:			ı
b. TSC:					
OBJECTIVE(S):					
ties of the FAA i as issued by the APPROACE:	n implementing and enforce EPA. The objective is to	cing aircraft develop a s	exhaust emi standardized	ssion sta measureme	andards ent syste
	COMPLISHED IN THE FOLLOWING MAIN				
is to define a sy	at NAFEC and through cont stem that considers all v t output to the digitized	variables ass	ociated with	the syst	em from
is to define a sy the engine exhaus PRODUCT: THE PRODUCT OF THIS RE: FAA's responsibil	stem that considers all v	variables ass d assessment	ociated with of the pollu	the system that leve	em from
PRODUCT: THE PRODUCT OF THIS RES FAA's responsibil and enforcing EPA	stem that considers all we toutput to the digitized of the construction of the constru	variables ass d assessment	ociated with of the pollu	the system that leve	em from
PRODUCT: THE PRODUCT OF THIS RES FAA'S responsibil and enforcing EPA ON OR ABOUT 1/82	stem that considers all we toutput to the digitized of the construction of the constru	variables ass d assessment	ociated with of the pollu	the system that level	em from
PRODUCT: THE PRODUCT OF THIS REF FAA'S responsibil and enforcing EPA ON OR ABOUT 1/82 MILESTONE SCHEDULE: DESCRIPTION	stem that considers all we toutput to the digitized standard measurement ity for implementing AND we emission standards	variables ass d assessment	ociated with of the pollu	the system that leve	em from
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PRODUCT: THE PRODUCT OF THIS REF FAA'S responsibil and enforcing EPA ON OR ABOUT 1/82 MILESTONE SCHEDULE: DESCRIPTION 1. CF6 sampling 2. JT8D sampling	stem that considers all we toutput to the digitized standard measurement ity for implementing AND we emission standards	variables ass d assessment	ociated with of the pollu	the system that level that level the system to see that the system to see the system to see that the system to see that the system to see that the system to see the system	em from
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	URIENT NUMBER:	3. REVISION:	*	4. START DATE:	2/79	
Juliania	101-521-10 TTLE OF PROJECT:			l	2/78	
		ission Variability				
	ANAGER ORGANIZATION:	ISSION VARIABILITY		7. REQUIREMENT:		
R	obert S. Zuckerm	an ARD-550		DELI-1885	FAA ED-20-1	
	. NAFEC: ANA-4	TIONS AND AGREEMENT NUMBER 10 0-446	c. OTH	ER:	56142	
ъ.	. TSC:					
. OE	BJECTIVE(S):					-
de		ENTIFIED IN THIS RESUME IS A emissions regulation.			base and support ards for aircraft	the
AF	PPROACH:					
Ge	ircraft propulsi eneral Electric	complished in the Followin on turboengines manuf and Rolls Royce in or	factured by I	Pratt and Whitner	y Aircraft,	
ba	ase will charact	r overnaul and betwee erize emission levels	en (or before	e) overhauls. T	he resultant data	È
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	CURRENT NUMBER: 3.	REVISION:	1	. START DATE:		
v	201-521-12				9/78	
	TITLE OF PROJECT:					
	CRC Aircraft Engine Em	ission Data Correlati	on Investi	gation		
	MANAGER/ORGANIZATION:		7	. REQUIREMENT:		
		Taubenkibel ARD-550			FAA ED-20-1	
	PARTICIPATING ORGANIZATIONS a. NAFEC: NPD-20-446 ANA-410	AND AGREEMENT NUMBERS:	c. OTHER:	Coordinat	ing Research	Counci
	b. TSC:					
	OBJECTIVE(S):		L			
	sampling equipment in emissions measurement: within government and emissions data.	use industry and s. This will enable industry in the vali	government the establ dity and c	to permit u ishment of m orrelation o	understanding mutual confid of the variou	g of dence us engir
		SUED THE LITTE LATINGMENT BANKER	en: Initia	te and organ	nize a cooper	rative
	effort among industry emission measurement engine test facility a fuel. CRC will provide	and government to creequipment in use by that NAFEC will provide	coss-correl the various the opera	ate data out segments. ting personn	The FAA turk	naust oine and
	effort among industry emission measurement e engine test facility a	and government to creequipment in use by the NAFEC will provide de scheduling and man	coss-correl the various the opera	ate data out segments. ting personr data collec	The FAA turk	naust pine and alysis.
	effort among industry emission measurement engine test facility a fuel. CRC will provide PRODUCT:	and government to creequipment in use by the NAFEC will provide the scheduling and man Report	coss-correl the various the opera	ate data out segments. ting personr data collection, IS	The FAA turk nel, engines ction and ana	naust pine and alysis.
	effort among industry emission measurement of engine test facility of fuel. CRC will provide the comparison of the product: THE PRODUCT OF THIS RESUME, AEE preparation of emison of the comparison of the compa	and government to creequipment in use by the NAFEC will provide the scheduling and man Report	coss-correl the various the opera	ate data out segments. ting personr data collection, IS	The FAA turk nel, engines ction and ana	naust pine and alysis.
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	effort among industry emission measurement of engine test facility of fuel. CRC will provide the comparison of the product: THE PRODUCT OF THIS RESUME, AEE preparation of emison of the comparison of the compa	and government to creequipment in use by the NAFEC will provide the scheduling and man Report	coss-correl the various the opera	ate data out segments. ting personr data collection, IS	The FAA turk nel, engines ction and ana	naust pine and alysis.
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	effort among industry emission measurement engine test facility afuel. CRC will provide the PRODUCT: THE PRODUCT OF THIS RESUME, ARE preparation of emison on OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Coordinating Reseated	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch council (CRC) contacts the scheduling and management arch council (CRC) contacts the scheduling arch council (CRC) contacts the schedul	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUI AEE DATE 7/78	naust pine and alysis.
	effort among industry emission measurement engine test facility affuel. CRC will provide the PRODUCT: THE PRODUCT OF THIS RESUME, AEE preparation of emison on OR ABOUT 12/79 MILESTONE SCHEDULE: DESCRIPTION 1. Coordinating Research. 2. Initiate NAFEC test	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch Council (CRC) consts	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUR AEE 7/78 9/78	naust pine and alysis.
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	effort among industry emission measurement of engine test facility of the control of the control of the control of the product	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch Council (CRC) consts	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUR AEE 7/78 9/78	naust pine and alysis.
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	effort among industry emission measurement engine test facility affect. CRC will provide the comparison of the comparison of the product of this resume, AEE preparation of emission of the comparison of the comp	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch Council (CRC) consts	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUR AEE 7/78 9/78 2/79 9/79	naust pine and alysis.
	effort among industry emission measurement engine test facility affect. CRC will provide the comparison of the comparison of the product of this resume, AEE preparation of emission of the comparison of the comp	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch Council (CRC) consts	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUR AEE 7/78 9/78 2/79 9/79	naust pine and alysis.
	effort among industry emission measurement engine test facility affect. CRC will provide the comparison of the comparison of the product of this resume, AEE preparation of emission of the comparison of the comp	and government to creequipment in use by the state NAFEC will provide the scheduling and management arch Council (CRC) consts	coss-correl the various the opera agement of	ate data out segments. ting person data collection, IS	The FAA turk nel, engines ction and ana INTENDED TO SUR AEE 7/78 9/78 2/79 9/79	naust pine and alysis.

	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
V	202-551-1			6/71	
	TITLE OF PROJECT:				
_	Noise Retrofit Fe	easibility			
•	Harold True	ARD-550		7. REQUIREMENT: FAA ED-20-2.1	
		TIONS AND AGREDMENT NUMBERS:	T	FAA Environmental Plan	
	A. NAFEC:		c. OTH		
_	b. TSC:		+	FA76WA-3809	
	0. 130:				
_	OBJECTIVE(S):			The second secon	
	feasible, economi	cally reasonable retroficial fleet and business j	it solution	ise; and provide technically ons to minimize noise of JT3D and	d JT8
	suppression and r	re-engine alternatives wi	ill be con	e use of nacelle treatment jet no nsidered.	oise
	suppression and r PRODUCT: THE PRODUCT OF THIS RE	e-engine alternatives wi SIME, Information Brief FAR Part 36 Noise AND	ill be co	nsidered. , IS INTENDED TO SUPPORT	oise
	PRODUCT: THE PRODUCT OF THIS RE 1980 Reduction of	e-engine alternatives wi	ill be co	nsidered. , IS INTENDED TO SUPPORT	oise
	PRODUCT: THE PRODUCT OF THIS RE	e-engine alternatives wi SIME, Information Brief FAR Part 36 Noise AND	ill be co	nsidered. , IS INTENDED TO SUPPORT	oise
	PRODUCT: THE PRODUCT OF THIS RE 1980 Reduction of	e-engine alternatives wi SIME, Information Brief FAR Part 36 Noise AND	ill be co	nsidered. , IS INTENDED TO SUPPORT	oise
	PRODUCT: THE PRODUCT OF THIS RE 1980 Reduction of ON OR ABOUT 12/80 MILESTONE SCHEDULE: DESCRIPTION 1. JT8D Mixer Dr	STATE, Information Brief FAR Part 36 Noise AND Levels	ill be co	nsidered, IS INTENDED TO SUPPORT LIVERABLE TOAEQ	oise
	PRODUCT: THE PRODUCT OF THIS RE 1980 Reduction of ON OR ABOUT 12/80 MILESTONE SCHEDULE: DESCRIPTION 1. JT8D Mixer Dr	SIME, <u>Information Brief</u> FAR Part 36 Noise AND Levels	ill be co	nsidered. , IS INTENDED TO SUPPORT LIVERABLE TOAEO	oise
	PRODUCT: THE PRODUCT OF THIS RE 1980 Reduction of ON OR ABOUT 12/80 MILESTONE SCHEDULE: DESCRIPTION 1. JT8D Mixer Dr	STATE, Information Brief FAR Part 36 Noise AND Levels	ill be co	nsidered. , IS INTENDED TO SUPPORT LIVERABLE TOAEO	oise

2.	CURRENT NUMBER:	3. REVISION:	1	. START DATE:	
	202-551-02			1971	
-	TITLE OF PROJECT:				
	Core Engine Nois	e Evaluation and Control			
	MANAGER/ORGANIZATION:			7. REQUIREMENT: FA	A ED-20-2.1 (FL 90
_	Robert S. Zucker		F	AA Environment P	lan (A76-1980)
	PARTICIPATING ORGANIZ a. RAFEC:	ATTONS AND AGREEMENT NUMBERS:	c. OTHER:		ic - DOT FA75WA-36 A-3663
_	b. TSC:				
_	OBJECTIVE(S):				
	data base for re- engines, including	DENTIFIED IN THIS RESUME IS INTE gulation related to core a ng those intended to meet	noise of mo	dern, high bypa	ss turbofan
	APPROACE:				
	THIS EFFORT WILL BE A	COMPLISHED IN THE POLLOWING MAN	MER: Throug	h contractor su	pport, SRDS will
		ediction and reduction mod	dels for co	ore engine compos	nents (combustor
	turbine, nozzle)	and component interaction			
	turbine, nozzle)	and component interaction			
	turbine, nozzle)	and component interaction			
	turbine, nozzle)	and component interaction			
		and component interaction			
	PRODUCT:	APD Information B	n effects.		
	PRODUCT: THE PRODUCT OF THIS RI	RSUME, ARD Information B	n effects.		ended to support
	PRODUCT: THE PRODUCT OF THIS RI 1980 Reduction of	FAR Part 36 Noise AND Levels	n effects.		
	PRODUCT: THE PRODUCT OF THIS RU 1980 Reduction of ON OR ABOUT Oct 1	FAR Part 36 Noise AND Levels	n effects.		
	PRODUCT: THE PRODUCT OF THIS RI 1980 Reduction of	FAR Part 36 Noise AND Levels	n effects.		
	PRODUCT: THE PRODUCT OF THIS RU 1980 Reduction of ON OR ABOUT Oct 1	FAR Part 36 Noise AND Levels	n effects.	ERABLE TOAEE-	
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise AND Levels	n effects.	ERABLE TOAEE-	DATE
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78
	PRODUCT: THE PRODUCT OF THIS RO 1980 Reduction of ON OR ABOUT Oct 1 MILESTONE SCHEDULE: DESCRIPTION 1. Indirect Comb	ARD Information Brif FAR Part 36 Noise Levels Levels Dustion Noise Effects Repo	n effects.	ERABLE TOAEE-	DATE 12/78

	CURRENT NUMBER:	3. REVISION:		4. START DATE:
v	202-551-05			7/75
	TITLE OF PROJECT:			
	Jet Noise Source	Location and Reduction	on	
	MANAGER/ORGANIZATION:			7. REQUIREMENT:
	Robert S. Zucker	man ARD-550		FAA-ED-20-2.1 (PL 90-411)
	PARTICIPATING ORGANIZ. a. NAFEC:	ATIONS AND AGREEMENT NUMBERS	e. OTHER	R:
	b. TSC:			
	OBJECTIVE(S):			
	data base and in velocity jet noi	vestigate suppression se.	mechanisms f	o develop an aircraft noise source or regulation related to high
	APPROACH:			
	THIS EFFORT WILL BE A	COOMPLISHED IN THE FOLLOWING	MANNER: A fu	ndamental research effort supported le flow and coannular flow jet
		d suitable suppression		Te flow and coannular flow jet
		d suitable suppression		Te flow and coannular flow jet
	noise nozzles an	d suitable suppression		, IS INTENDED TO SUPPORT
1	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le	ARD Information FAA Part 36 vel Requirements	Brief	, IS INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS R	ARD Information FAA Part 36 vel Requirements	Brief	, IS INTENDED TO SUPPORT
1	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le	ARD Information FAA Part 36 vel Requirements	Brief	, IS INTENDED TO SUPPORT
1 2	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION	ARD Information FAA Part 36 vel Requirements	Brief	, is intended to support iverable toAEE-1
	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Preparation	ARD Information FAA Part 36 vel Requirements	Brief AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TOAEE-1 DATE
1	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Preparation	ARD Information FAA Part 36 vel Requirements 10/80 of Jet Noise Suppresso	Brief AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TOAEE-1 DATE de10/78
1 2	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Preparation	ARD Information FAA Part 36 vel Requirements 10/80 of Jet Noise Suppresso	Brief AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TOAEE-1 DATE de10/78
1 2	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Preparation	ARD Information FAA Part 36 vel Requirements 10/80 of Jet Noise Suppresso	Brief AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TOAEE-1 DATE de10/78
1	PRODUCT: THE PRODUCT OF THIS R 1980 Reduction in Aircraft Noise Le ON OR ABOUT MILESTONE SCHEDULE: DESCRIPTION 1. Preparation	ARD Information FAA Part 36 vel Requirements 10/80 of Jet Noise Suppresso	Brief AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TOAEE-1 DATE de10/78

Market Committee Committee

2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
	202-551-06				10/78
	TITLE OF PROJECT: Helicopter Noise I	Prediction and Reduction	n		
	MANAGER/ORGANIZATION:			7. REQUIREMENT:	Helicopter Program
	darold C. True	ARD-550			Plan Draft (3/78)
	- WATER.	ATIONS AND AGREEMENT NUMBERS: e determined)	c. OTHER	utsi dot	r-FA72WA-3053
	b. TSC:				
	OBJECTIVE(S):			and the second	
	regulatory effort	panding the helicopter notes to reduce helicopter			200-0
	APPROACH:	al apa sections entres.	1000000		dency to one when
		complished in the following M loping an improved, comp			
		ng noise abatement opera			
	noise and vibrati	ion, and investigating p			
	noise and vibrati				
	noise and vibrati applicable to cur	ion, and investigating p			
	noise and vibrati applicable to cur	ion, and investigating prent helicopters. Information Bri	promising n	oise abatement	modifications
	noise and vibrati applicable to cur PRODUCT:	ion, and investigating prent helicopters. Information British,	promising n	oise abatement	modifications INTENDED TO SUPPORT
	PRODUCT: Helicopter Pro	rent helicopters. Information Bri	promising n	oise abatement	modifications INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RO Helicopter Pro	ion, and investigating prent helicopters. Information British,	promising n	oise abatement	modifications INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84	ion, and investigating prent helicopters. Information British,	promising n	oise abatement	modifications INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION	Information Bridge	promising n	oise abatement	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION	ion, and investigating prent helicopters. Information British,	promising n	oise abatement	modifications INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report:	Information Bridge	promising n	oise abatement	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report:	Information Bridge And	promising n	oise abatement	INTENDED TO SUPPORT NDS
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Prec	Information Bricogram Information Bricogram Information Bricogram AN Interior Noise Noise Abatement Operation	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82
	PRODUCT: THE PRODUCT OF THIS RI Helicopter Pro ON OR ABOUT 6/84 MILESTONE SCHEDULE: DESCRIPTION 1. Final Report: 2. Final Report: 3. Complete Precional Processing Schedule:	Information Bricagnam Information Bricagnam	promising n ief D WILL BE DELI	oise abatement	INTENDED TO SUPPORT EDS DATE 3/80 10/81 8/82

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. CURRENT NUMBER:	3. REVISION:	4. START DATE:
V 202-552-01		6/74
. TITLE OF PROJECT:		
Operational Noise	Reduction	
. MANAGER/ORGANIZATION:		7. RECITEMENT: ESS ED 20 2 1 (D)
		7. REQUIREMENT: FAA ED-20.2.1 (PL 9 FAA Environment Plan (1976-1980) 9550 No. AEO-220-76-1
Harold C. True	ARD-550 ATIONS AND AGREEMENT NUMBERS:	9550 No. AEO-220-76-1
a. NAPEC: NPD OF	c. OTHE	
b. TSC:		
. OBJECTIVE(S):		
. APPROACE:		
effects of temper	to develop improved noise propaga ature, humidity, wind and turbulen and certification procedures and m	ce. Correlate noise contour area
PRODUCT:		
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THE PRODUCT OF THIS P	ESUME, ARD Information Brief 36 Noise Levels AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TO AEE-1
THE PRODUCT OF THIS F Reduction of Part ON OR ABOUT 9/8	ESUME, ARD Information Brief 36 Noise Levels AND WILL BE DEL	, IS INTENDED TO SUPPORT IVERABLE TO AEE-1
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2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
v	202-553-01	J. REVIOLON.		6/75	
5.	TITLE OF PROJECT:			6/73	
	Noise Evaluation	and Response			
				7. REQUIREMENT:	_
	Thomas H. Higgins	ARD-550		FAA ED-20-2.1	
		TIONS AND AGRE MENT NUMBERS:	с. от	EER:	
	b. TSC:				
	OBJECTIVE(S):				
	criteria for airc influence respons guidelines for co Assessments. APPROACE:	eraft and airports. De se to noise, developmen ontrol of noise exposur	terminatio t of psyc e as requi	Obtain certification and design on of significant variables that choacoustic measures procedures ared by Public Law and Environme	t and ent
	THIS EFFORT WILL BE AC	COMPLISHED IN THE FOLLOWING	MANNER: Cor	nduct Psychoacoustic Tests regar of acceptable procedures and yar	rding
		ating aircraft noise and			
•					
	sticks for evalua	ting aircraft noise and			
	PRODUCT: THE PRODUCT OF THIS RE	sting aircraft noise and	d communit	ry noise exposure.	
	PRODUCT: THE PRODUCT OF THIS REREGULATORY action and design criter	SIME, Final Report provide certification	d communit	ry noise exposure.	
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CURRENT NUMBER:	3. REVISION:	4. START DATE:
213-060-15	J	1/78
ECAC Analytical Ser	rvices	
. MANAGER/ORGANIZATION:		7. REQUIREMENT: FAA ED 21-4, 2.2.1
Charles Cram	ARD-62	and (6)a
a. NAFEC:	TIONS AND AGREEMENT NUMBERS:	c. OTHER: Electromagnetic Compatibility Analysis Center (ECAC) DOT FA77WAI-778
b. TSC:		
. OBJECTIVE(S):		
		MDED TO: provide quick response, analytical ay Facilities personnel.
that exist within l	st AAF in siting new fac	MER: Exercise the numerous computer mode nerate facility coverage plots, map over- ilities, determining theoretical coverage
THE PRODUCT OF THIS RES	Computer outp	
THE PRODUCT OF THIS RES		
AAF Headquarters/Re	egional Engineering AND	
THE PRODUCT OF THIS RES	egional Engineering AND	
THE PRODUCT OF THIS RES AAF Headquarters/Re ON OR ABOUT 2/79 MILESTONE SCHEDULE: DESCRIPTION	egional Engineering AND	WILL BE DELIVERABLE TO AAF
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	CURRENT NUMBER:	3. REVISION:	4. START DATE:
_	213-060-21 TITLE OF PROJECT:	Larra Line	4/77
	Special Propagat	ion (WARC)	
	MANAGER/ORGANIZATION:	Differit (2)	7. REQUIREMENT:
_	P.D. Blythe	ARD-61 TIONS AND AGREEMENT NUMBERS:	FAA-ED-21-4 Institute for Telecommunication
	a. NAFEC:	TOO ARE ADMINISTRATE NOTICE.	c. OTHER: Sciences DOT FA-77WAI-742
	b. TSC:		
	OBJECTIVE(S):		7/37/07/23/2
	APPROACH:		
	technical data, o	on short notice, concerninel expertise, existing p	NER: SRDS, with contract support, will pro ing electromagnetic propagation and spectro propagation models, and spectrum computer
	technical data, of matters. Persons models will be en	on short notice, concerning properties, existing properties. SUME, Studies/Reports	ing electromagnetic propagation and spectropagation models, and spectrum computer
	rechnical data, of matters. Persons models will be entered by the product: THE PRODUCT: THE PRODUCT OF THIS REFAA participation	on short notice, concerning properties, existing properties. SUME, Studies/Reports	ing electromagnetic propagation and spectroropagation models, and spectrum computer computer
	technical data, of matters. Persons models will be en models. The product of this reference on or about as required to models as a required to models.	on short notice, concerning parties, existing parties, existing parties. SUME, Studies/ Reports and in WARC AND Walired	ing electromagnetic propagation and spectroropagation models, and spectrum computer propagation and spectroropagation models, and spectrum computer propagation models, and spectrum c
	technical data, of matters. Persons models will be en models. The product of this reference on or about as required to models as a required to models.	on short notice, concerning properties, existing properties. SUME, Studies/Reports	ing electromagnetic propagation and spectroropagation models, and spectrum computer compagation models, and spectrum computer propagation models, and spectrum computer computer propagation models, and spectrum computer propagation and spectro computer propagation and spectro compagation and spectro compagation and spectrum computer propagation and spectro compagation and spectro computer compagation models, and spectrum computer compagation models, and spectrum computer computer compagation models, and spectrum computer computer compagation computer computer compagation compagation computer compagation
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-	213-060-22	3. REVIDION:			
=	TITLE OF PROJECT:			Continuing	
•	Applications Engir	neering			
_	MANAGER/ORGANIZATION:	leering		7. REQUIREMENT:	
•	Robert D. Smith	ARD-62		7. REQUIREMENT: FAA-ED-21	
-		TIONS AND AGREDMENT MUNBERS:			
•	a. MAPEC:		e. OFFICE		or Telecommunications FA-78-WAI-940
	b. TSC:				
).	OBJECTIVE(S):				
	APPROACH:				
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	predicted and meas	used on theory and measu	ured data; results to	perform compar requesting O	ffice/Service.
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	CURRENT NUMBER: 213-060-24	3. REVISION:	4. START DATE:	10/76
•	TITLE OF PROJECT:			
		ty Wave Tilt Measurements	1.24(0.1) 1893-79	and the contract of the second
•	MANAGER/ORGANIZATION: Charles Cram	ARD-62	7. REQUIREMENT: FAA ED-21-4	
•	PARTICIPATING ORGANIZ a. NAFEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: Engineering	gions Research and Lab DOT FATQWI-707
-	b. TSC:			
	OBJECTIVE(S):			-
	and resistivity m	surement methods for use in mapping.	n spectrum engineering	site selection
•	APPROACH:	CCOMPLISHED IN THE POLLOWING MARKET		1
		measurements, is to be gen	nerated for frequency	assignment purposes
	PRODUCT: THE PRODUCT OF THIS R Frequency Engine	Report		INTENDED TO SUPPORT
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	PRODUCT: THE PRODUCT OF THIS R Frequency Enginee ON OR ABOUT11/78	Report	, IS	INTENDED TO SUPPORT
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RD FORM 79-1 TEST 9/15/78

	CURRENT NUMBER:	3. REVISION:	4. START DATE:
	213-060-26		11/77
•	TITLE OF PROJECT:		
_	Applications Engi		STREET, BURNEY, TANKS AND STREET, STRE
•	MANAGER/ORGANIZATION: Charles Cram	ARD-62	7. REQUIREMENT: FAA ED 21-4,2.2.9.1
_	DADWIGTDAMTNE ODCANTS	ATIONS AND AGREEMENT NUMBERS:	
	a. NAFEC:	ALLONS AND AUTHORIST HOWDERS;	c. OTHER: Electromagnetic Compatibility Analysis Center DOT FA77WAI-778
	b. TSC:		
	OBJECTIVE(S):		
	APPROACE:	analyses for use in specti	rum management activities.
	THE S REST OF WILL ME A	COMMITTEE THE TAXABLE COMMITTEE COMM	Provoice commutes 1-1-
	ECAC to provide s spectrum manageme	spectrum engineering, EMC	men: Exercise computer models available at and utilization analyses for use in FAA
	ECAC to provide s spectrum manageme	ent activities.	and utilization analyses for use in FAA
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	PRODUCT: THE PRODUCT OF THIS RISPECTRUM Engineer ON OR ABOUT 12/79	computer outputs	and utilization analyses for use in FAA , IS INTENDED TO SUPPORT
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2. 0	CURRENT NUMBER:	3. REVISION:	4. START DATE:
1 2	13-060-33		10/78
	TITLE OF PROJECT:	nd HF Communications Pred	iction Service
	ANAGER/ORGANIZATION:		7. REQUIREMENT:
	. D. Blythe	ARD-61	9550 # AL-ARD-076-003
	ARTICIPATING ORGANIZ . NAFEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: FAA/Navy/Air Force/NOAA cooperative effort
ъ	. TSC:		
). c	BJECTIVE(S):		
. <u>A</u>	PPROACH:		MER: Through Navy support, data line real time" prediction service.
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	ymes Person am		real time prediction service.
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. <u>P</u>	RODUCT:		tear time prediction service.
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· Standard Websider

2. CURRENT MO I 213-060-3		3. REVISION:	4. START D	ATE:	9/6/76	
5. TITLE OF PE Electroma		surement Techniques for Spe	ctrum Analysis	/Engir	eering	
J. D. Fre	tz	ARD-61 MS AND AGRESMENT NUMBERS:			apport to AAF Management Off	
ANA-303	NPD #	21-383				
	F EFFORT IDEM	TIFIED IN THIS RESUME IS INTENDED TO				
1. APPROACH:						
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radiated of instru men vehic	signals from mentation s le. Result	PLISHED IN THE FOLLOWING MANUER: Sign FAA Communication/Navigates systems on the new Spectrum is will be compared. Most of the in the handbook.	tion facilitie Characteristi	s, usi	ng combinatio ysis and Meas	ns ure-
radiated of instrumen vehice data will PRODUCT: THE PRODUCT Electroma ment acti	signals from mentation sile. Result be present of THIS RESULT computities in 1	om FAA Communication/Navigat systems on the new Spectrum s will be compared. Most of	tion facilitie Characteristi effective proc	es, usi c Anal cedures	ng combinatio ysis and Meas	ns ure- g
radiated of instru men vehic data will	or mass result of the present of the	om FAA Communication/Naviga systems on the new Spectrum is will be compared. Most of ted in the handbook.	tion facilitie Characteristi effective proc	es, usi c Anal cedures	ng combination ysis and Meas and resulting and resulting transfer to support	ns ure- g
radiated of instrumen vehic data will PRODUCT: THE PRODUCT Electroma ment acti ON OR ABOUT	or THIS RESULT COMPANY OF THIS RESULT COMPANY	om FAA Communication/Naviga systems on the new Spectrum is will be compared. Most of ted in the handbook.	tion facilitie Characteristi effective proc	es, usi c Anal cedures	ng combination ysis and Meas and resulting and resulting transfer to support	ns ure- g
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	CURRENT NUMBER:	3. REVISION:	4. SDART DATE:
	CURRENT NUMBER: 213-060-49		10/74
•	TITLE OF PROJECT: Wo Telecommunication	orld Radio Conference (WARC us Union (ITU)	- 1979) of the International
	MANAGER/ORGANIZATION: P. D. Blythe	ARD-61	7. REQUIREMENT: FAA-ED-21-4
	PARTICIPATING ORGANIZA . MAPEC:	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: Interdepartmental Radio Advisory Committee (IRAC)
	b. TSC:		
	OBJECTIVE(S):		
	PRODUCT:	FAA Aviation Posit	ion is intended to support
	AVIACION SPECCION		IL BE DELIVERABLE TO IRAC/Dept. of State
	ON OR ABOUT 10/79	year 2000	
	ON OR ABOUT 10/79		
١.	ON OR ABOUT 10/79 MILESTONE SCHEDULE:	year 2000	IL BE DELIVERABLE TO IRAC/Dept. of State
	ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	year 2000	IL BE DELIVERABLE TO IRAC/Dept. of State

____I 213-060-49

2. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 213-061-01		
TITLE OF PROJECT:		
Terminal Radar	Interference Threshold (Criteria
. MANAGER/ORGANIZATION:		7. REQUIREMENT:
William Reytar	ARD-62	FAA-ED-21-4
 PARTICIPATING ORGANIZ NAFEC: 	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: Lincoln Labs - not yet awarded
b. TSC:		
O. OBJECTIVE(S):		
radars in the 3.5	5 - 3.7 GHz band.	be reduced by at leas: 15dB to protect
	ACCOUNT TOWNS THE WATER THAT TO SEE	MANUEL CODE (11
measure the effect	cts of geosynchronous es	MANNER: SRDS, with contract support, will atellite continous wave emissions on
meddare one crree	es or geosficinonous se	cerrice continues wave emissions on
the proposed limi	ted surveillance radar	in the frequency band 3500 - 3700 MHz.
the proposed limi	ted surveillance radar	in the frequency band 3500 - 3700 MHz.
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the proposed limi PRODUCT: THE PRODUCT OF THIS R	RESIME, Report g in the 3500 - 3700 A	in the frequency band 3500 - 3700 MHz.
. PRODUCT: THE PRODUCT OF THIS R Frequency plannin ON OR ABOUT2/79	RESIME, Report g in the 3500 - 3700 A	in the frequency band 3500 - 3700 MHz.
. PRODUCT: THE PRODUCT OF THIS R Frequency plannin ON OR ABOUT2/79	RESIME, Report g in the 3500 - 3700 A	, IS INTENDED TO SUPPORT ND WILL BE DELIVERABLE TOARD-200/AAF
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RD FORM 79-1 TEST 9/15/78

	CURRENT NUMBER:	3. REVISION:		4. START DATE:
	213-061-09	1-613833		<u> </u>
•	TITLE OF PROJECT: ASDE EMC Studies			
	MANAGER/ORGANIZATION:	CARPELLAND TO F		7. REQUIREMENT:
	William Revtar	ARD-62		FAA-ED-21-4
•	PARTICIPATING ORGANIZAT a. NAFEC: NPD No. 21-383	TIONS AND AGREEMENT NUMBERS:		ER: Task 4 - FA77WAI-778 With ECAC, Annapolis, Md.
	b. TSC:			
		reated by introducing Ai		determine electromagnetic compati rface detection equipment in the
				, with ECAC support, will identi
	ment, and determine the new ASDE.			enstraints germane to ASDE develo ence caused to military radars by
	ment, and determine the new ASDE. PRODUCT: THE PRODUCT OF THIS RES	ne nature and extent of	interfer	ence caused to military radars by
	ment, and determine the new ASDE. PRODUCT: THE PRODUCT OF THIS RES ASDE Spectrum Mgmt ON OR ABOUT 12/78	me nature and extent of	interfer	ence caused to military radars by
	ment, and determine the new ASDE. PRODUCT: THE PRODUCT OF THIS RES ASDE Spectrum Mgmt ON OR ABOUT 12/78 MILESTONE SCHEDULE:	me nature and extent of	interfer	ence caused to military radars by, is invended to support LIVERABLE TOSRDS
	ment, and determine the new ASDE. PRODUCT: THE PRODUCT OF THIS RES ASDE Spectrum Mgmt ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION	me nature and extent of	WILL BE DE	ence caused to military radars by
	ment, and determine the new ASDE. PRODUCT: THE PRODUCT OF THIS RES ASDE Spectrum Mgmt ON OR ABOUT 12/78 MILESTONE SCHEDULE: DESCRIPTION 1. Final report on	RME, Technical Reports Program AND	WILL BE DE	ence caused to military radars by

_		a parterow.		
	CURRENT NUMBER: 213-061-10	3. REVISION:		START DATE:
	TITLE OF PROJECT:			1/25/74
•				
5.	MANAGER/ORGANIZATION:	Management Criteria	1 7.	REQUIREMENT:
•	William Reytar			FAA-ED-21-4
9.	PARTICIPATING ORGANIZA	ATTONS AND AGRETMENT NUMBERS:		
	a. NAFEC:			A DOT-FA70WAI-175
_			ECAC , A	nnapolis, Md.
	b. TSC:			
0.	OBJECTIVE(S):			a allenti etak
		cise models to improve	AICRBS SPECTIV	m management criteria.
1.	APPROACH:			
				h ECAC support, will develop
				nd equipment models; evaluate nd augment PPMs with antenna
	pattern and predi	ct performance with di	fferent antenna	s and effects of obstacles
	pattern and predi and ground plane	ct performance with di	fferent antenna	s and effects of obstacles
	pattern and predi	ct performance with di	fferent antenna	s and effects of obstacles
•	pattern and predi and ground plane	ct performance with di	fferent antenna	s and effects of obstacles
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2.	pattern and prediction and ground plane PRODUCT: THE PRODUCT OF THIS RE	ct performance with di reflections. ESUME, Technical Report	fferent antenna	s and effects of obstacles, is introduce to support
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2.	pattern and prediction and ground plane PRODUCT: THE PRODUCT OF THIS RE	ct performance with di reflections. ESUME, Technical Report	fferent antenna	s and effects of obstacles, is introduce to support
	PRODUCT: THE PRODUCT OF THIS RI Spectrum Managem ON OR ABOUT 1/79	ct performance with di reflections. ESUME, Technical Report	fferent antenna	s and effects of obstacles, is introduce to support
	pattern and prediction and ground plane PRODUCT: THE PRODUCT OF THIS RISpectrum Managem	ct performance with di reflections. ESUME, Technical Report	fferent antenna	, IS INTERDED TO SUPPORT
	pattern and predict and ground plane PRODUCT: THE PRODUCT OF THIS RISPECTRUM Managem ON OR ABOUT1/79 MILESTONE SCHEDULE: DESCRIPTION	ct performance with direflections. ESPE, Technical Reportent Program	fferent antenna	, IS INTERDED TO SUPPORT LE TO _AAF/SRDS/FAA Offices DATE
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	pattern and predict and ground plane PRODUCT: THE PRODUCT OF THIS RISPECTRUM Managem ON OR ABOUT1/79 MILESTONE SCHEDULE: DESCRIPTION	ct performance with direflections. ESPE, Technical Reportent Program	fferent antenna	, IS INTERDED TO SUPPORT LE TO _AAF/SRDS/FAA Offices DATE
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	pattern and predict and ground plane PRODUCT: THE PRODUCT OF THIS RISPECTRUM Managem ON OR ABOUT1/79 MILESTONE SCHEDULE: DESCRIPTION	ct performance with direflections. ESPE, Technical Reportent Program	fferent antenna	, IS INTERDED TO SUPPORT LE TO _AAF/SRDS/FAA Offices DATE
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	pattern and predict and ground plane PRODUCT: THE PRODUCT OF THIS RISPECTRUM Managem ON OR ABOUT1/79 MILESTONE SCHEDULE: DESCRIPTION	ct performance with direflections. ESPE, Technical Reportent Program	fferent antenna	, IS INTERDED TO SUPPORT LE TO _AAF/SRDS/FAA Offices DATE
	pattern and predict and ground plane PRODUCT: THE PRODUCT OF THIS RISPECTRUM Managem ON OR ABOUT1/79 MILESTONE SCHEDULE: DESCRIPTION	ct performance with direflections. ESPE, Technical Reportent Program	fferent antenna	, IS INTERDED TO SUPPORT LE TO _AAF/SRDS/FAA Offices DATE
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	CURRENT NUMBER: 3. REVISION: 213-061-16		Amp.
5.		4. START D	
6.	TITLE OF PROJECT:	7/28/	12
6.	DABS Electromagnetic Compatibility		
	MANAGER/ORGANIZATION:	7. REQUIRE	
	William Reytar ARD-62	FAA I	ED-21-4
9.	PARTICIPATING ORGANIZATIONS AND AGRESMENT NUMBERS: a. NAFEC:	c. OTHER: IAA DOT with ECAC, And	
	b. TSC:		
0.	OBJECTIVE(S):	1	
	APPROACE: THIS EFFORT WILL BE ACCOMPLISHED IN THE FOLLOWING MAN detailed interrogator file within 200 nau Engineering Contractor. Document DABS/AI	tical miles of NAFI	EC for FAA Systems
	PRODUCT: THE PRODUCT OF THIS RESUME, Interrogator File DABS development, implementation and AND ON OR ABOUT 1/79 opera		
	THE PRODUCT OF THIS RESIDE, Interrogator File DABS development, implementation and amponent	WILL BE DELIVERABLE TO _	
	THE PRODUCT OF THIS RESUME, Interrogator File DABS development, implementation and AND ON OR ABOUT 1/79 opera	WILL BE DELIVERABLE TO _	
3.	THE PRODUCT OF THIS RESUME, Interrogator File DABS development, implementation and AND ON OR ABOUT 1/79 OPERA OPERA	WILL BE DELIVERABLE TO _	SRDS
3.	THE PRODUCT OF THIS RESUME, Interrogator File DABS development, implementation and AND ON OR ABOUT 1/79 DISCRIPTION 1. Final Report - DABS/AIMS/ATCRBS Perform	will be Deliverable to ation.	DATE

2.	CURRENT NUMBER:	3. REVISION:	4. START DATE	THE RESERVE THE PARTY.
I	213-062-07	A STATE OF THE STA	5/29/75	
	TITLE OF PROJECT:			
_	EMC Analysis BCAS MANAGER/ORGANIZATION:		Land Derryage i	January Committee
•	William Reytar	ARD-62	7. REQUIREMENT FAA-ED-2	
	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGRENOUST NUMBERS:	e. OTHER: I AA DOT FA with ECAC, Anna	
	b. TSC:			
	OBJECTIVE(S):			
	and predict any Bo	avoidance system will per CAS interference to ATCRB	S/DABS/AIMS.	BS environment,
	THIS EFFORT WILL BE AC	COMPLISHED IN THE POLICETING MANN	R: SRDS, with ECAC st	upport and using aug-
	mented performand	ce prediction model, will rmance of ATCRBS at Washi	predict the impact on ngton, D. C., and on	of enchanced active ATCRBS and DABS
•	mented performand BCAS on the performance	ce prediction model, will rmance of ATCRBS at Washi sin area.	ngton, D. C., and on	ATCRBS and DABS ATCRBS and DABS ATCRBS and DABS
•	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS RE	ce prediction model, will rmance of ATCRBS at Washi sin area.	ngton, D. C., and on	ATCRBS and DABS
	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS REBCAS Development ON OR ABOUT _2/79	ce prediction model, will rmance of ATCRBS at Washi sin area.	ngton, D. C., and on	ATCRBS and DABS
	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS RE BCAS Development ON OR ABOUT _2/79 MILESTONE SCHEDULE:	ce prediction model, will rmance of ATCRBS at Washi sin area.	ngton, D. C., and on	ATCRBS and DABS IS INTERDED TO SUPPORT RDS
•	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS REBCAS Development ON OR ABOUT _2/79 MILESTONE SCHEDULE: DESCRIPTION	ce prediction model, will rmance of ATCRBS at Washi sin area. SIME, Reports Program AND W	ILL BE DELIVERABLE TO SI	ATCRBS and DABS IS INTENDED TO SUPPORT RDS
•	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS REBCAS Development ON OR ABOUT 2/79 MILESTONE SCHEDULE: DESCRIPTION 1. Draft Report -	rmance of ATCRBS at Washisin area. SIME, Reports Program AND W	Los Angeles area	ATCRBS and DABS IS INTENDED TO SUPPORT RDS PATE 12/78
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	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS REBCAS Development ON OR ABOUT 2/79 MILESTONE SCHEDULE: DESCRIPTION 1. Draft Report -	rmance of ATCRBS at Washisin area. SIME, Reports Program AND W	Los Angeles area	DATE 12/78 2/79
	mented performance BCAS on the performance in Los Angeles base PRODUCT: THE PRODUCT OF THIS REBCAS Development ON OR ABOUT _2/79 MILESTONE SCHEDULE: DESCRIPTION 1. Draft Report - 2. Final Report -	rmance of ATCRBS at Washisin area. SIME, Reports Program AND W	Los Angeles area	DATE 12/78 2/79
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2.	CURRENT NUMBER:	3. REVISION:	4. START DA	TE:
I	213-062-10		2/74	
5.	TITLE OF PROJECT:			
	Objective Voice G	rade by Time Domain Tecl	nni que	
5.	MANAGER/ORGANIZATION:		7. REQUIREM	CENT:
	J. D. Fretz - ARD		FAA ED	21-4
	PARTICIPATING ORGANIZA a. NAFEC:	TIONS AND AGRESMENT NUMBERS:	c. OTHER: DOT-FA74	WAI-448 Institute for
	b. TSC:			
	OBJECTIVE(S):			
	measurement techn	ENTIFIED IN THIS RESUME IS INTI ique for communications stems engineering activi	channels to assist	in spectrum and
	APPROACH:			
	THIS REPORT WILL BE AC	COMPLISHED IN THE FOLLOWING MAN	MRR: SRDS, with cont	
	examine linear pr of measuring chan	ediction coding technique nel performance, i.e. conno nd harmonic measurements	omputer analysis of	waveforms, noise meters
2.	examine linear pr of measuring chan	ediction coding technique nel performance, i.e. co	omputer analysis of	waveforms, noise meters
2.	examine linear pr of measuring chan intermodulation a PRODUCT:	ediction coding technique nel performance, i.e. co	omputer analysis of and differential a	waveforms, noise meters udio spectrograms.
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	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79	ediction coding technique nel performance, i.e. cond harmonic measurements and harmonic measurements and compute the computations. AND	omputer analysis of and differential a er Program.	waveforms, noise meters udio spectrograms. ., IS INTENDED TO SUPPORT
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. cond harmonic measurements and harmonic measurements and compute the computations. AND	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. ., IS INTENDED TO SUPPORT
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
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	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of s and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of s and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
	examine linear prof measuring chan intermodulation a PRODUCT: THE PRODUCT OF THIS RESPECTIVE AND COMMENT OF ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	ediction coding technique nel performance, i.e. condition measurements and harmonic measurements and compute the conditions and compute the conditions and compute the conditions are conditions. Engineering and compute the conditions are conditions and compute the conditions are conditions.	omputer analysis of s and differential a ser Program. WILL BE DELIVERABLE TO	waveforms, noise meters udio spectrograms. , IS INTENDED TO SUPPORT SPDS DATE
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. CURREN	T NUMBER:	3. REVISION:	4. START DATE:
I 213-0	62-35		12/75
. TITLE	OF PROJECT:		
		vigation Separation Handb	ook
	R/ORGANIZATION:		7. REQUIREMENT:
	t D. Smith	ARD-62	FAA-ED-21-4
a. NA		ATIONS AND AGREEMENT NUMBERS:	c. OTHER: FINFO Interagency Agreeme
b. TS	C:		
OBJECT	IVE(S):		
APPROA			MER: SRDS, with NAFEC support, will
coord	inate propos	sed changes with all Regi	onal Directors, ATF and AFS. Flight
tests	will be con	nducted and resulting data	a will be analyzed.
PRODUCT	r:		
PRODUCT	r:		
PRODUCT	I: ODUCT OF THIS R	Draft Handbook 605	0.5B , is intended to suppo
PRODUCTIE PRO	I: DDUCT OF THIS R gation Frequ	Draft Handbook 605	0.5B , IS INTENDED TO SUPPO
PRODUCTIVE	I: DDUCT OF THIS R gation Frequency ABOUT 6/79	Draft Handbook 605	0.5B , IS INTENDED TO SUPPO
PRODUCTIVE	I: DDUCT OF THIS R gation Frequ	Draft Handbook 605	0.5B , IS INTENDED TO SUPPO
PRODUCTHE PRODUCTION ON OR A	E: DDUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE:	Draft Handbook 605	0.5B , IS INTENDED TO SUPPO
PRODUCT THE PRO NAVIO ON OR A MILESTE	DUCT OF THIS R gation Frequ ABOUT 6/79 ONE SCHEDULE:	Draft Handbook 605 Dency/Distance AND Separation Co	0.5B , IS INTENDED TO SUPPO MILL BE DELIVERABLE TOAAF riteria
PRODUCTIVE	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 iency/Distance AND Separation Co	0.5B , IS INTENDED TO SUPPO MILL BE DELIVERABLE TOAAF riteria
PRODUCTIVE	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 605 Dency/Distance AND Separation Co	0.5B , IS INTENDED TO SUPPO MILL BE DELIVERABLE TOAAF riteria
PRODUCT THE PRO NAVIO ON OR A MILESTM DESCRII 1. Dat 2. CA	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 iency/Distance AND Separation Co	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPO
PRODUCTIVE PRODUCTION ON OR A MILESTA DESCRIPTION 1. Date 2. CAS	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE PRODUCTION ON OR A MILESTY DESCRIPTION OF A MILESTY DESCRIPT	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE PRODUCTION ON OR A MILESTA DESCRIPTION 1. Date 2. CAS	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79
PRODUCTIVE PRODUCTION ON OR A MILESTY DESCRIPTION OF A MILESTY DESCRIPT	I: DUCT OF THIS R Gation Frequ ABOUT 6/79 DNE SCHEDULE: PTION ta Report -	Draft Handbook 6050 Separation Co VOR and ILS Signal Streng EMC final report	DATE ths and D/U Ratios 7. IS INTENDED TO SUPPORT AAF DATE 1/79 3/79

2.	CURRENT NUMBER:	3. REVISION:	1 4	. START DATE:
I	213-062-36			4/76
	TITLE OF PROJECT:			
_	VHF/UHF Air/Groum	nd Communications Frequ		ing Handbook 6050.4B
	Charles Cram	ARD-62		FAA-ED-21-4
	PARTICIPATING ORGANIZ a. NAFEC:	ATTONS AND AGREEMENT NUMBERS:	Science	Institute for Telecommunication
	b. TSC:		701-17	70WAI-175
	OBJECTIVE(S):			
	establishes assignment	gnment of frequencies t	o VHF/UHF air	te the existing handbook which cyground communications faciliti
	APPROACH:			
	THIS EFFORT WILL BE A			
		ion curves for desired/ nalyses of collected da	undesired rat	cios. Co-site studies will erformed to provide basis
	develop propagat: be conducted. As for updating hand	ion curves for desired/ malyses of collected da dbook.	undesired rates to the pe	
	develop propagat: be conducted. As for updating hand PRODUCT: THE PRODUCT OF THIS R	ion curves for desired/ nalyses of collected da dbook. Engineering Handb	undesired rate ta will be pe	erformed to provide basis , is intended to support
	develop propagat: be conducted. As for updating hand PRODUCT: THE PRODUCT OF THIS R Headquarters/Reg:	ion curves for desired/ malyses of collected da dbook. Esime, Engineering Handb	undesired rate ta will be pe	erformed to provide basis
	develop propagat: be conducted. As for updating hand PRODUCT: THE PRODUCT OF THIS R	ion curves for desired/ nalyses of collected da dbook. Engineering Handb	undesired rate ta will be pe	erformed to provide basis , is intended to support
	develop propagat: be conducted. As for updating hand PRODUCT: THE PRODUCT OF THIS R Headquarters/Reg:	ion curves for desired/ malyses of collected da dbook. Esime, Engineering Handb	undesired rate ta will be pe	erformed to provide basis , is intended to support
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region on or About 4/79 MILESTONE SCHEDULE: DESCRIPTION	ion curves for desired/ halyses of collected da dbook. ESUME, Engineering Handb ional Frequency Management Offices	undesired rate ta will be pe	reformed to provide basis
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region on or About 4/79 MILESTONE SCHEDULE: DESCRIPTION	ion curves for desired/ malyses of collected da dbook. Esime, Engineering Handb	undesired rate ta will be pe	, IS INTENDED TO SUPPORT
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region on or About 4/79 MILESTONE SCHEDULE: DESCRIPTION	ion curves for desired/ halyses of collected da dbook. Esume, Engineering Handb ional Frequency Management Offices erence guidelines	undesired rate ta will be pe	reformed to provide basis
	develop propagation be conducted. An for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region on on About 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interfet	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TOSRDS
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79
	develop propagation be conducted. As for updating hand product: THE PRODUCT: THE PRODUCT OF THIS R Headquarters/Region OR ABOUT 4/79 MILESTONE SCHEDULE: DESCRIPTION 1. Cosite interference.	ion curves for desired/ halyses of collected da dbook. Esme, Engineering Handb ional Frequency Management Offices erence guidelines of Handbook	undesired rate ta will be pe	, IS INTENDED TO SUPPORT RABLE TO SRDS DATE 12/78 2/79

Research and				
CURRENT NUMBER: 1 213-062-37	3. REVISION:		ART DATE:	
. TITLE OF PROJECT:			1/10/76	
	ve Link Frequency Engineer	ing Handbook, 6	5050.17A. Revision	
. MANAGER/ORGANIZATION			QUIREMENT:	
J. D. Fretz	ARD-61	FZ	A-ED-21-4	
a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:		
ANA-300 b. TSC:	NPD No. 21-383			
O. OBJECTIVE(S):		1		
high power satel bility analysis APPROACH: THIS EFFORT WILL BE develop a freque	ACCOMPLISHED IN THE FOLLOWING MAN	improved elect	AFEC support, will easurements on the	
PRODUCT: THE PRODUCT OF THIS	nk equipment, and incorpor	050.17	, is intended to support	T
PRODUCT:		050.17 WILL BE DELIVERABLE	, is intended to support	T
PRODUCT: THE PRODUCT OF THIS Frequency engine	RESUMB, Revised Handbook 6	050.17 WILL BE DELIVERABLE	, is intended to support	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79	RESUMB, Revised Handbook 6	050.17 WILL BE DELIVERABLE	, is intended to support	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION	RESUMB, Revised Handbook 6	050.17 WILL BE DELIVERABLE	, is intended to support to _srds/aaf	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION	RESUME, Revised Handbook 6 ering and assignment AND activition	050.17 WILL BE DELIVERABLE	, is intended to support to srds/aaf Date	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Plan	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	TO SRDS/AAF DATE 12/78	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handbook	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T
THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handboo	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T
THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handboo	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handbook	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handbook	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T
PRODUCT: THE PRODUCT OF THIS Frequency engine ON OR ABOUT 7/79 MILESTONE SCHEDULE: DESCRIPTION 1. Frequency Pla 2. Draft Handbook	RESUME, Revised Handbook 6 ering and assignment AND activitie n for Band Sharing k complete	050.17 WILL BE DELIVERABLE	DATE 12/78 2/79	T

	CURRENT NUMBER:	3. REVISION:		4. START DATE:
	213-062-39			10/78
-	TITLE OF PROJECT:			T. C.
		r Interference Investiga	tion	
•	MANAGER/ORGANIZATION: Charles Cram	ARD-62		7. REQUIREMENT: 9550 No. AFS-100-78-161
	PARTICIPATING ORGANIZA	ATTONS AND AGREEMENT NUMBERS:	7	
	a. NAFEC:			R:Institute for Telecommunication enceDOT-FA74WAI-448
-	b. TSC:		301	enceDOI-FA/4WAI-440
	OBJECTIVE(S):			
	and measuring into	erference from power lin	e carrie	develop a method of predicting rs.
	APPROACH:			
		COMPLISHED IN THE POLLOWING WAY Antenna Calibration Sys		with contract support, will
				es of the Tennessee Valley Author:
	PRODUCT:	t flight tests over PLC	facilitie	es of the Tennessee Valley Author:
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of	t flight tests over PLC ESDE, Report of Power Line Carrier	facilitie	es of the Tennessee Valley Author:
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the Control of t	t flight tests over PLC ESDE, Report of Power Line Carrier	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of t	t flight tests over PLC ESDE, Report of Power Line Carrier	facilitie	es of the Tennessee Valley Author:
2.	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of t	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Antenna calibra	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE 5/79
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of this reaction on or about 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Antenna calibration of the product of t	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE 5/79 8/78
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of this reaction on or about 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Antenna calibration of the product of t	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE 5/79 8/78
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of this reaction on or about 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Antenna calibration of the product of t	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE 5/79 8/78
	PRODUCT: THE PRODUCT OF THIS REAFS Measurement of the product of this reaction on or about 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. Antenna calibration of the product of t	Report of Power Line Carrier Interference ation System Complete	facilitie	, IS INTENDED TO SUPPORT SRDS/AFS DATE 5/79 8/78

2.	CURRENT NUMBER:	3. REVISION:	4. STAR	T DATE:
_	216-102-02 TITLE OF PROJECT:		6/7	5
•		Training Facility		
6.	MANAGER/ORGANIZATION:		7 9801	TRECET:
••	G. Kassing	ARD-151		
9.		ATTONS AND AGREEMENT NUMBERS:		-ED-21-5
	a. NAPEC:		e. OTHER: Logic	on, Inc. A78WA-4101
_	b. TSC:		DO1-F	A76WA-4101
	D. 19C:			
0.	OBJECTIVE(S):			
•	develop functiona proposals, monito	complished in the following man il specifications for pro- or contractor's development ide total overall program	curement of the	simulator, evaluate system
2.	PRODUCT: THE PRODUCT OF THIS RI FAA program to u	SUME, A radar training fac pgrade the evaluation	WILL BE DELIVERABLE T	Aeronautical Center
2.	THE PRODUCT OF THIS RE	pgrade the evaluation	cility WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80	pgrade the evaluation	WILL BE DELIVERABLE T	Aeronautical Center
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE:	pgrade the evaluation	WILL BE DELIVERABLE T	Aeronautical Center ol Specialist
	THE PRODUCT OF THIS RIFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION	and 8/80 of A	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE
	THE PRODUCT OF THIS RIFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION	pgrade the evaluation	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist
	THE PRODUCT OF THIS RIFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION	and 8/80 of Astronomy of Astron	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS RIFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80
	THE PRODUCT OF THIS REFAA program to u ON OR ABOUT 1/80 MILESTONE SCHEDULE: DESCRIPTION 1. Start installa 2. Baseline System	and 8/80 of Assertion and checkout (1 system complete	WILL BE DELIVERABLE T ir Traffic Contro	Aeronautical Center ol Specialist DATE 4/79 1/80

I 213-102-02

CURRENT NUMBER:	3. REVISION:	4. START DATE:
216-105-01		10/76
TITLE OF PROJECT:		HOUSE TO SECURE THE SE
Productivity in	ATC Automation	
. MANAGER/ORGANIZATION		7. REQUIREMENT:
Bill Petruzel	ARD-152	OST UG3RD Review 1974
a. NAFEC:	CATIONS AND AGREEMENT NUMBERS:	e. OTHER:
b. TSC: PPA No. FA	A-937	
. OBJECTIVE(S):		
APPROACE: THIS EFFORT WILL BE A	ACCOMPLISHED IN THE FOLLOWING MARK	SRDS, with TSC, will develop and dying the potential productivity
effects of resect PRODUCT:	torization and traffic rou	ting at Chicago, ARTCC.
PRODUCT: THE PRODUCT OF THIS I Improvement of Te	RESIME, Resectorization Studentiques for estimating	ting at Chicago, ARTCC.
PRODUCT: THE PRODUCT OF THIS F Improvement of Te ON OR ABOUT 4/79 a	RESIME, Resectorization Studentiques for estimating	dy
PRODUCT: THE PRODUCT OF THIS F Improvement of Te ON OR ABOUT 4/79 a	RESUME, Resectorization Studechniques for estimating and 12/79	dy
PRODUCT: THE PRODUCT OF THIS F Improvement of Te ON OR ABOUT 4/79 a	RESUME, Resectorization Studechniques for estimating and 12/79	dy
PRODUCT: THE PRODUCT OF THIS F IMPROVEMENT OF TE ON OR ABOUT 4/79 a MILESTONE SCHEDULE: DESCRIPTION	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity
effects of resect PRODUCT: THE PRODUCT OF THIS IS IMPROVEMENT OF THE PRODUCT OF THIS IS ON OR ABOUT 4/79 a MILESTONE SCHEDULE: DESCRIPTION 1. Data reduction	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79
effects of resect PRODUCT: THE PRODUCT OF THIS IS IMPROVEMENT OF THE PRODUCT OF THIS IS ON OR ABOUT 4/79 a MILESTONE SCHEDULE: DESCRIPTION 1. Data reduction 2. Model Validati	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79
PRODUCT: THE PRODUCT OF TRIES IN IMPROVEMENT OF TRIES IN ON OR ABOUT 4/79 a. MILESTONE SCREDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation tess	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79
PRODUCT: THE PRODUCT OF TRIS IS IMPROVEMENT OF TRIS IS ON OR ABOUT 4/79 at MILESTONE SCREDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation test	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79
PRODUCT: THE PRODUCT OF THIS F Improvement of Te ON OR ABOUT 4/79 a MILESTONE SCREDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation tes	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79
effects of resect PRODUCT: THE PRODUCT OF THIS IS Improvement of Te ON OR ABOUT 4/79 a MILESTONE SCREDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation tes	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79
effects of resect PRODUCT: THE PRODUCT OF THIS IS Improvement of Te ON OR ABOUT 4/79 a MILESTONE SCHEDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation tes	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79
effects of resect PRODUCT: THE PRODUCT OF THIS IS Improvement of Te ON OR ABOUT 4/79 a MILESTONE SCHEDULE: DESCRIPTION 1. Data reduction 2. Model Validati 3. Simulation tes	RESUME, Resectorization Studechniques AND Ward 12/79 for estimating in complete	dy, IS INTENDED TO SUPPORT TILL BE DELIVERABLE TO _SRDS ATCS Productivity DATE 1/79 4/79 8/79

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CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 218-150-02	2003 - 100E	10/77
. TITLE OF PROJECT:		
FAA/NASA VTOL Su	apport Program	
. MANAGER/ORGANIZATION	:	7. REQUIREMENT:
Joseph O'Brien	ARD-150	FAA/NASA Cooperative Program
a. NAFEC:	ZATIONS AND AGREEMENT NUMBERS:	c. OTHER:
b. TSC:	NEU NO. SE-191	
O. OBJECTIVE(S):		
. APPROACE:		NER: SRDS, with NAFEC support, will
develop designs center to city c	renter, airport to city center, airport to city center, concepts and Proceed	rious environments, such as city nter, etc. dures, IS INTENDED TO SUPPORT
develop designs center to city c PRODUCT: THE PRODUCT OF THIS: More progressive	RESUME, Concepts and Proces ATC handling of AND helicopters	rious environments, such as city nter, etc.
develop designs center to city conter to city conter to city content to city c	RESUME, Concepts and Proces ATC handling of AND helicopters	nious environments, such as city nter, etc. dures, IS INTENDED TO SUPPORT
develop designs center to city c PRODUCT: THE PRODUCT OF THIS: more progressive ON OR ABOUT 8/79	RESUME, Concepts and Proces ATC handling of AND helicopters	nious environments, such as city nter, etc. dures, IS INTENDED TO SUPPORT
develop designs center to city content to city	RESUME, Concepts and Process ATC handling of helicopters	nter, etc. http://doi.org/10.00000000000000000000000000000000000
develop designs center to city conter to city conter to city content to city c	RESUME, Concepts and Process ATC handling of helicopters ore concepts	dures, IS INTENDED TO SUPPORT
develop designs center to city contert to city contert to city content to city	RESUME, Concepts and Process ATC handling of helicopters ore concepts	nter, etc. Sures , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAAT and AFS PATE 12/78
develop designs center to city contert to city contert to city content to city	RESUME, Concepts and Process ATC handling of helicopters ore concepts	nter, etc. Sures , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAAT and AFS PATE 12/78
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develop designs center to city contert to city contert to city content to city	RESUME, Concepts and Process ATC handling of helicopters ore concepts	nter, etc. Sures , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAAT and AFS PATE 12/78
develop designs center to city contert to city contert to city content to city	RESUME, Concepts and Process ATC handling of helicopters ore concepts	nter, etc. Sures , IS INTENDED TO SUPPORT WILL BE DELIVERABLE TOAAT and AFS PATE 12/78

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CURRENT NUMBER: 3.	REVISION:	4. START DATE:
218-150-03		5/12/78
TITLE OF PROJECT:		
FAA/NASA Cockpit Displa: MANAGER/ORGANIZATION:	y of Traffic Information ((CDTI) 7. REQUIREMENT:
Joseph O'Brien	ARD-150	CDTI Program Plan
PARTICIPATING ORGANIZATIONS A	ND AGREEMENT NUMBERS:	HER: NASA Ames and Langley Research
a. NAFEC: ANA-110	NDD #GD 101	enters
b. TSC:		TICELS
OBJECTIVE(S):		
	ween ground systems and ai	rporne participants.
APPROACH:		
		S, with NAFEC support, will form
		pe ATC scenario in assurance/con
pilot monitoring modes,	and pilot cooperative mod	es.
PRODUCT:		
PRODUCT: THE PRODUCT OF THIS RESUME,	concepts and procedures	, is intended to support
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distri	buted AND WILL BE I	, is intended to support
PRODUCT: THE PRODUCT OF THIS RESUME,		, is intended to support
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distri	buted AND WILL BE I	, is intended to support
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distri	buted AND WILL BE I	, is intended to support
PRODUCT: THE PRODUCT OF THIS RESUME, _ investigation of distripon or about _FY-81 MILESTONE SCHEDULE: DESCRIPTION	buted AND WILL BE I	, is intended to support deliverable to <u>AAT/AFS</u>
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concentration	management concept	, is intended to support deliverable to AAT/AFS DATE
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concert 2. Develop Initial Concert	management concept epts for Monitoring Mode epts for Cooperative Mode	, IS INTENDED TO SUPPORT DATE 3/79 4/79
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concentration	management concept epts for Monitoring Mode epts for Cooperative Mode	, is intended to support deliverable to AAT/AFS DATE 3/79
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concert 2. Develop Initial Concert	management concept epts for Monitoring Mode epts for Cooperative Mode	, IS INTENDED TO SUPPORT DATE 3/79 4/79
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PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concert 2. Develop Initial Concert	management concept epts for Monitoring Mode epts for Cooperative Mode	, IS INTENDED TO SUPPORT DATE 3/79 4/79
PRODUCT: THE PRODUCT OF THIS RESUME, investigation of distripon on or about FY-81 MILESTONE SCHEDULE: DESCRIPTION 1. Develop Initial Concert 2. Develop Initial Concert	management concept epts for Monitoring Mode epts for Cooperative Mode	, IS INTENDED TO SUPPORT DATE 3/79 4/79

2.	CURRENT NUMBER:	3. REVISION:	4. START DATE:
I	218-153-01		10/72
	TITLE OF PROJECT:		
	Digital Simulation	on Facility - Software Sup	pport Contract
ó.	MANAGER/ORGANIZATION:		7. RECUIREMENT: Simulation Review
	M. E. Perie	ARD-100	Board recommendation 1972
	PARTICIPATING ORGANIZ	ATIONS AND AGREEMENT NUMBERS:	c. OTHER: DOT-FA77NA-4011
	ANA-242	NPD No. 21-253	Computer Sciences
_	b. TSC:		
).	OBJECTIVE(S):		
	THE LEVEL OF EFFORT I	DENTIFIED IN THIS RESUME IS INTE	MOED TO: upgrade the Digital Simulation
		simulation projects at NA	
١.	APPROACH:		
		CCOMPLISHED IN THE POLICETER MAN	NER: SRDS, with contract support, will
	provide the neces	ssary program modification	ns and facility enhancements for SRDS
	simulation project	cts.	
2.	PRODUCT:		
2.	PRODUCT:	Software support	
2.	THE PRODUCT OF THUS R	ESIME, Software support	, IS INTENDED TO SUPPORT
2.	THE PRODUCT OF THUS R	EC DSF, andAND	WILL BE DELIVERABLE TO NAFEC
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	THE PRODUCT OF THIS R upgrading of MAFI ON OR ABOUT CONTIN	EC DSF, andAND simulation pro	WILL BE DELIVERABLE TO NAFEC
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	THE PRODUCT OF THIS R upgrading of MAFI ON OR ABOUT CONTIN	EC DSF, andAND simulation pro	WILL BE DELIVERABLE TO NAFEC
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	THE PRODUCT OF THIS R upgrading of NAFI on or Aboutcontin MILESTONE SCREDULE: DESCRIPTION	Simulation pro	WILL BE DELIVERABLE TO NAFEC Diects DATE
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	THE PRODUCT OF THIS R upgrading of NAFI on or Aboutcontin MILESTONE SCREDULE: DESCRIPTION	Simulation pro	WILL BE DELIVERABLE TO NAFEC Dijects DATE

Research an	d Technology Resume	1. DATE OF RESUME: 10/1/78
2. CURRENT NUMBER:	3. REVISION:	4. START DATE:
I 219-151-01		10/76
5. TITLE OF PROJECT: Terminal Inter	faces (LLWSAS, VAS, TIPS, ASTC,	, RMMS) *
6. MANAGER/ORGANIZAT		7. REQUIREMENT: IAA dated 3/16/78
R. Primeau	ARD-151	AAF/ARD/ANA
a. NAFEC: ANA-	ANIZATIONS AND AGREEMENT NUMBERS: 230 NPD No. 21-290 o. 21-399 ANA-110 NPD No. SE-J	c. OTHER:
b. TSC:		
O. OBJECTIVE(S):		
perform analys	es of integration issues, and e ments for advanced facility des	: SRDS, with NAFEC and TSC support will evaluation of alternate solutions; sign, and document results in specifications
2. PRODUCT:		
THE PRODUCT OF THE	TS RESIME, reports, specification ment programs, ATC	
THE PRODUCT OF THE	ment programs, ATC AND WILL	L BE DELIVERABLE TO _ARD. AAT. AAF ancements and operations
THE PRODUCT OF THE system develop ON OR ABOUTFY	ment programs, ATC AND WILL -80 facility enha	L BE DELIVERABLE TO ARD. AAT. AAF
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THE PRODUCT OF THE SYSTEM develops ON OR ABOUTFY DESCRIPTION	ment programs, ATC AND WILL -80 facility enha E: RACON and Cab Display/ Remote	ARD. AAT. AAF ancements and operations
THE PRODUCT OF THE SYSTEM develope ON OR ABOUTFY. 3. MILESTONE SCHEDULE DESCRIPTION 1. Report on T. Maintenance	ment programs, ATC AND WILL B: RACON and Cab Display/ Remote	L BE DELIVERABLE TO ARD. AAT. AAF ancements and operations

^{4.} FOOTHOTS: *LLWSAS - Low Level Wind Shear Advisory System; VAS - Vortex Advisory System; TIPS - Terminal Information Processing System; ASTC - Airport Surface Traffic Control; RMMS - Remote Maintenance Monitoring System

2.	CURRENT NUMBER:	3. REVISION:		4. START DATE:	
1	219-152-01				8/4/78
5.	TITLE OF PROJECT:				
_	Evaluation of Color	Display			
6.	MANAGER/ORGANIZATION:			7. REQUIREMENT:	
0	J. O. Brien PARTICIPATING ORGANIZATION	ARD-150	-	9550 No. A	AAF-610-78-006
7.	a. NAFEC:	D ALU ADRESTEIL HOUSED:	c. OTHER		
	ANA-170	NPD No. SE-190	A 100 CONT.	MITRE Corp.	
	b. TSC:		1		
0.	OBJECTIVE(S):		4		
	facilities. APPROACE:	ned View Displays to b			
	will test, evaluate a to determine required	d performance paramete			
2.	to determine required	d performance paramete			
2.	PRODUCT: THE PRODUCT OF THIS RESUME	Techical Report	ers.	, is	INTENDED TO SUPPORT
2.	to determine required	d performance paramete g, Techical Report of color AND	ers.	, is	INTENDED TO SUPPORT
	PRODUCT: THE PRODUCT OF THIS RESUMD planning/procurement	d performance paramete g, Techical Report of color AND	ers.	, is	
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79	d performance paramete g, Techical Report of color AND	ers.	, is	F/AAT/ARD
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	Techical Report of color AND PVDs for AT	ers.	, is	PATE
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE:	Techical Report of color AND PVDs for AT	ers.	, is	F/AAT/ARD
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION	Techical Report of color AND PVDs for AT	ers.	, is	PATE
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. PVD/DCVG Modes Cor 2. Operational Evaluation	Techical Report of color AND PVDs for AT	ers.	, is	PATE 2/79 8/79
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. PVD/DCVG Modes Con	Techical Report of color AND PVDs for AT	ers.	, is	PATE 2/79
	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. PVD/DCVG Modes Cor 2. Operational Evaluation	Techical Report of color AND PVDs for AT	ers.	, is	PATE 2/79 8/79
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2.	PRODUCT: THE PRODUCT OF THIS RESUME planning/procurement ON OR ABOUT 10/79 MILESTONE SCHEDULE: DESCRIPTION 1. PVD/DCVG Modes Cor 2. Operational Evaluation	Techical Report of color AND PVDs for AT	ers.	, is	PATE 2/79 8/79